

Scientific Publications

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Peer-reviewed articles in international scientific journals

1. Moretti L., Semenza C., **Vallesi A.** (2018). General slowing and education mediate task switching performance across the life-span. *Front Psychol*, 9, 630. DOI: 10.3389/fpsyg.2018.00630.
2. Masina F, Vallesi A, Di Rosa E, Semenzato L and Mapelli D (2018) Possible Role of Dorsolateral Prefrontal Cortex in Error Awareness: Single-Pulse TMS Evidence. *Front Neurosci*, 12, 179. doi: 10.3389/fnins.2018.00179.
3. Furlan M., Babcock L., **Vallesi A.** (2018). Decoding rule search domain in the left inferior frontal gyrus. *Plos ONE*, 13(3), e0194054. Doi: 10.1371/journal.pone.0194054.
4. Visalli A., **Vallesi A.** (2018). Monitoring processes in visual search enhanced by professional experience: the case of orange quality-control workers. *Front Psychol*, 9, 145. DOI: 10.3389/fpsyg.2018.00145.
5. Mioni G., Capizzi M., **Vallesi A.**, Correa A., Di Giacomo R., Stablum F. (2018). Dissociating explicit and implicit timing in Parkinson Disease patients: Evidence from bisection and foreperiod tasks. *Front Hum Neurosci*, 12, 17. DOI: 10.3389/fnhum.2018.00017.
6. Capizzi M., Ambrosini E., **Vallesi A.** (2017). Individual differences in verbal and spatial Stroop: interactive role of handedness and task context. *Front Hum Neurosci*, 11, 545. DOI: 10.3389/fnhum.2017.00545.
7. **Vallesi A.**, Mazzonetto I., Ambrosini E., Babcock L., Capizzi M., Arbula S., Tarantino V., Semenza C., Bertoldo A. (2017). Structural hemispheric asymmetries underlie verbal Stroop performance. *Behav Brain Res*, 335, 167-173. DOI: 10.1016/j.bbr.2017.08.024.
8. Tarantino V., Mazzonetto I., Formica S., Causin F., **Vallesi A.** (2017). The neural bases of event monitoring across domains: a simultaneous ERP-fMRI study. *Front Hum Neurosci*, 11, 376. DOI: 10.3389/fnhum.2017.00376
9. Tarantino V., Bassetto F., Vindigni V., Pavan C., **Vallesi A.** (2017). Cognitive Control abilities in ex-obese patients. *Biol Psychol*, 127, 198-208. DOI: 10.1016/j.biopsycho.2017.05.012
10. Arbula S., Pacella V., De Pellegrin S., Rossetto M., Denaro L., D'Avella D., Della Puppa A., **Vallesi A.** (2017). Addressing the selective role of distinct prefrontal areas in response suppression: A study with brain tumor patients. *Neuropsychologia*, 100, 120-130. DOI: 10.1016/j.neuropsychologia.2017.04.018.
11. Babcock L., Capizzi M., Arbula S., & **Vallesi A.** (2017). Short-term memory improvement related to training in simultaneous interpretation. *Journal of Cognitive Enhancement*, 1(3), 254-267. Doi: 10.1007/s41465-017-0011-x
12. Babcock L., **Vallesi A.** (2017). Are simultaneous interpreters expert bilinguals, unique bilinguals, or both? *Bilingualism: Language and Cognition*, 20 (2), 403–417. Doi: 10.1017/S1366728915000735.
13. Ambrosini E., **Vallesi A.** (2017). Domain-general Stroop performance and hemispheric asymmetries: a resting-state EEG study. *J Cogn Neurosci*, 29(5), 769-779. Doi: 10.1162/jocn_a_01076.
14. Castiglione A., Benatti A., Velardita C., Favaro D., Padoan E., Severi D., Pagliaro M., Bovo R., **Vallesi A.**, Gabelli C., Martini A. (2016). Aging, Cognitive Decline and Hearing Loss: Effects of Auditory Rehabilitation and Training with Hearing aids and Cochlear Implants on Cognitive function and Depression among Older Adults. *Audiology and Neuro-Otology (Proceedings)*, 21 Suppl. 1(1), 21-28. Doi: 10.1159/000448350.
15. Arbula S., Capizzi, M.G., Lombardo, N., **Vallesi A.** (2016). How air traffic control training shapes cognitive control strategies. *Plos ONE*, 11(6), e0157731. Doi: 10.1371/journal.pone.0157731.
16. Capizzi M., Ambrosini E., Arbula S., Mazzonetto I., **Vallesi A.** (2016) Testing the domain-general nature of monitoring in spatial and verbal cognitive domains. *Neuropsychologia*, 89, 83-95. Doi: 10.1016/j.neuropsychologia.2016.05.032.
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18. **Vallesi A.**, D'Agati E., Grelloni C., Pasini A., Mazzotta G., Curatolo P. (2016). Effect of modified-release methylphenidate on cognition in children with ADHD: evidence from a temporal preparation task. *Timing & Time Perception*, 4 (2), 207–222. Doi: 10.1163/22134468-00002067. ISSN: 2213-445X
19. **Vallesi A.**, Mastroianni E., Causin F., D'Avella D., Bertoldo A. (2016). White matter integrity and task-switching performance: a DTI study. *Neuroscience*, 329, 349–362. Doi: 10.1016/j.neuroscience.2016.05.026.
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21. Capizzi M., Ambrosini E., Arbula S., Mazzonetto I., **Vallesi A.** (2016). Electrophysiological Evidence for Domain-general Processes in Task-switching. *Front Hum Neurosci*, 10, 124. Doi: 10.3389/fnhum.2016.00124.
22. Mento G., **Vallesi A.** (2016). Spatiotemporally dissociable neural signatures for generating and updating expectation over time in children: a High Density-ERP study. *Dev Cogn Neurosci*, 19, 98-106. Doi: 10.1016/j.dcn.2016.02.008.
23. Campanella F., Skrap M., **Vallesi A.** (2016). Speed-accuracy strategy regulations in prefrontal tumor patients. *Neuropsychologia*, 82, 1-10. Doi: 10.1016/j.neuropsychologia.2016.01.008.
24. Marin D., Pitteri M., Della Puppa A., Meneghello F., Biasutti E., Priftis K., **Vallesi A.** (2016). Mental time-line distortion in right brain damaged patients: evidence from a dynamic spatio-temporal task. *Neuropsychology*, 30(3), 338-45. Doi: 10.1037/neu0000211.

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26. Babcock L., **Vallesi A.** (2015). Language control is not a one-size-fits-all languages process: Evidence from simultaneous interpretation students and the n-2 repetition cost. *Front Psychol* 6/1622. Doi: 10.3389/fpsyg.2015.01622. e-ISSN: 1664-1078.
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32. Di Rosa E., Sorarù G., Kleinbub J.R., **Vallesi A.**, Querin G., Marcato S., Calvo V., Grasso I., Palmieri A. (2015). Theory of mind, empathy and neuropsychological functioning in X-linked Spinal and Bulbar Muscular Atrophy: a controlled study of 20 patients. *Journal of Neurology*, 262 (2), 394-401. Doi: 10.1007/s00415-014-7567-5. ISSN: 0340-5354.
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34. Mento G., Tarantino V., **Vallesi A.**, Bisiacchi P. (2015). Spatiotemporal neurodynamics underlying internally- and externally-driven temporal prediction: a high spatial resolution ERP study. *J Cogn Neurosci*, 27(3), 425-39. Doi: 10.1162/jocn_a_00715. ISSN: 0898–929X.
35. Della Puppa, A., De Pellegrin S., Salillas E., Grego A., Lazzarini A., Grandis M., **Vallesi A.**, Saladini M., Scienza R., Semenza C. (2015). Functional mapping of left parietal areas involved in simple addition and multiplication. A single-case study of qualitative analysis of errors. *Journal of Neuropsychology*, 9 (2), 330-335. Doi: 10.1111/jnp.12043. ISSN: 1748-6653.
36. Correa A., Cona G., Arbula S., **Vallesi A.**, Bisiacchi P. (2014). Neural dissociation of automatic and controlled temporal preparation by transcranial magnetic stimulation. *Neuropsychologia*, 65 (Dec), 131-136. Doi: 10.1016/j.neuropsychologia.2014.10.023. ISSN: 0028–3932.
37. **Vallesi A.** (2014). Monitoring mechanisms in visual search: an fMRI study. *Brain Res*, 1579, 65-73. DOI: 10.1016/j.brainres.2014.07.018. ISSN: 0006–8993
38. **Vallesi A.** (2014). How developmental dissociations can inform cognitive theories. *Open Access Neurosciences*, 2 (1), p. 3. ISSN: 2054-7358
39. **Vallesi A.**, Arbula, S., Bernardis, P. (2014). Functional dissociations in temporal preparation: evidence from dual-task performance. *Cognition*, 130 (2), 141-151. Doi: 10.1016/j.cognition.2013.10.006. ISSN: 0010–0277.
40. **Vallesi A.**, Weisblatt Y., Semenza C., Shaki S. (2014). Cultural modulations of space-time compatibility effects. *Psychonomic Bulletin & Review*, 21 (3), 666–669. Doi: 10.3758/s13423-013-0540-y. ISSN: 1069–9384.
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72. Schiff S., **Vallesi A.**, Mapelli D., Orsato R., Pellegrini A., Umiltà C., Gatta A., Amodio P. (2005). Impairment of response inhibition precedes motor alteration in the early stage of liver cirrhosis. A behavioural and electrophysiological study. *Metab Brain Dis*, 20 (4), 381-392. Doi: 10.1007/s11011-005-7922-4. ISSN: 0885-7490.
- Invited Reviews (peer-reviewed) 73. **Vallesi A.** (2012). Organization of Executive Functions: Hemispheric Asymmetries. *J Cogn Psychol*, 24 (4), 367-386. Doi: 10.1080/20445911.2012.678992. ISSN: 2044-5911.
- Commentaries (peer-reviewed) 74. **Vallesi A.** (2016). Connectivity between ventromedial prefrontal cortex and posterior superior temporal sulcus (Commentary). *Cogn Neurosci*, 7(1-4), 24-5. Doi: 10.1080/17588928.2015.1075487.
75. Semenza C., **Vallesi A.** (2017). Superspecialisti a spasso (e preziosi servizi non fruiti). *Giornale Italiano di Psicologia*, 44 (3), 687-690. DOI: 0.1421/88378

- Book Chapters
1. **Vallesi A.** (2010). Neuro-anatomical substrates of foreperiod effects. Chapter 22, in "Attention and Time" (303–316). Nobre A. and Coull J. (Eds.). Oxford University Press. ISBN13: 9780199563456; ISBN10: 0199563454. DOI: 10.1093/acprof:oso/9780199563456.003.0022
 2. **Vallesi A.** (2017). The Cognitive Neuroscientist. Chapter in the book: Sharing perspectives on English-Medium Instruction (pp. 247-250). Eds. Ackerley K., Guarda M., Helm F. Multilingual Matters. Peter Lang Publishing Group. ISSN 1424-8689, ISBN 978-3-0343-2537-0 hb.
 3. **Vallesi A.** (2017). The case of Air Traffic Control Training (chapter N. 15, pp. 293-304). In the book: "Theory-driven Approaches to Cognitive Enhancement". Springer International Publishing AG, Cham, Switzerland. DOI: 10.1007/978-3-319-57505-6. ISBN: 978-3-319-57504-9, ISBN (eBOOK): 978-3-319-57505-6
 4. **Vallesi A.** (2017). Asimmetrie emisferiche nel <<life span>> adulto (Ch. 8, pp. 121-137). In the Handbook (Manuale): Il Cervello al Lavoro: Nuove prospettive in Neuropsicologia (A cura di Bisiacchi P., **Vallesi A.**). Il Mulino, Bologna. ISBN: 9788815272119
 5. **Vallesi A.** (2017). Effetti cognitivi di esperienze professionali: tassisti, aviatori e controllori del traffico aereo (Ch. 14, pp. 211-222). In the Handbook (Manuale): Nuove prospettive in Neuropsicologia Cognitiva (A cura di Bisiacchi P., **Vallesi A.**). Il Mulino, Bologna. ISBN: 9788815272119
 6. Babcock L., **Vallesi A.** (2017). Interpreti Simultanei (Ch. 13, pp. 197-210). In the Handbook (Manuale): Il Cervello al Lavoro: Nuove prospettive in Neuropsicologia (A cura di Bisiacchi P., **Vallesi A.**). Il Mulino, Bologna. ISBN: 9788815272119
- Books
1. Manuale (Handbook): "Il Cervello al Lavoro: Nuove prospettive in Neuropsicologia" [The working brain: new perspectives in Neuropsychology] (2017). Editors: Bisiacchi P., **Vallesi A.** Il Mulino, Bologna. ISBN: 9788815272119. <https://www.mulino.it/isbn/9788815272119>
 2. Abstract Book: Proceedings of the international Conference Cognitive Neuroscience of Executive Functions, 28-30 Sept 2017. Editor: **Vallesi A.** CLEUP, Padova. ISBN: 9788867878147. DOI: 10.23737/CNEF2017
- Translations from English to Italian
1. Chapters 7, 9, 33, 34 for the Handbook (forthcoming): The Central Nervous System, by Per Brodal. Oxford University Press (Publishing house of the Italian version: Piccin Nuova Libreria S.p.A.).
- Selected Published Conference Abstracts and Conference Papers
1. **Vallesi A.** (2017). Asymmetric brain activity as a tool to predict executive functioning (pp. 35-36). Proceedings International Conference CNEF, Padova, 28-30 Sept 2017. Doi: 10.23737/CNEF2017. ISBN: 9788867878147. URL: <http://www.cleup.it/Symposia-CNEF-2017.html>
 2. Capizzi, M., Ambrosini E., Arbula S., Mazzonetto I., **Vallesi A.** (2017). The hemispheric organization of executive functions in the brain: evidence from task-switching and monitoring tasks (p. 37). Proceedings International Conference CNEF, Padova, 28-30 Sept 2017. Doi: 10.23737/CNEF2017. ISBN: 9788867878147.
 3. Ambrosini E., **Vallesi A.** (2017). Electrophysiological correlates of proactive and reactive monitoring processes (p. 38). Proceedings International Conference CNEF, Padova, 28-30 Sept 2017. Doi: 10.23737/CNEF2017. ISBN: 9788867878147.
 4. Tarantino V., Mazzonetto I., **Vallesi A.** (2017). Sustained and transient neural correlates of cognitive control (p. 39). Proceedings International Conference CNEF, Padova, 28-30 Sept 2017. Doi: 10.23737/CNEF2017. ISBN: 9788867878147.
 5. Visalli A., Capizzi M., Mazzonetto I., **Vallesi A.** (2017). Neural representations of model updating of temporal expectations: an fMRI study (p. 40). Proceedings International Conference CNEF, Padova, 28-30 Sept 2017. Doi: 10.23737/CNEF2017. ISBN: 9788867878147.
 6. Furlan M., Babcock I., **Vallesi A.** (2017). Decoding rule search domain in the left inferior frontal gyrus (p. 41). Proceedings International Conference CNEF, Padova, 28-30 Sept 2017. Doi: 10.23737/CNEF2017. ISBN: 9788867878147.
 7. Babcock I., Arbula S., Capizzi M., **Vallesi A.** (2017). Simultaneous interpretation as a model of expertise and training (p. 42). Proceedings International Conference CNEF, Padova, 28-30 Sept 2017. Doi: 10.23737/CNEF2017. ISBN: 9788867878147.
 8. Arbula S., Ambrosini E., De Pellegrin S., Anglani M.G., Denaro L., D'Avella D., Della Puppa A., Semenza C., **Vallesi A.** (2017). General cognitive decline after left prefrontal tumor surgery: implications for prefrontal cortex organization (pp. 43-44). Proceedings International Conference CNEF, Padova, 28-30 Sept 2017. Doi: 10.23737/CNEF2017. ISBN: 9788867878147.
 9. Masina F., **Vallesi A.**, Di Rosa E., Mapelli D. (2017). Error monitoring and arousal: insights from on-line TMS (p. 73). Proceedings International Conference Cognitive Neuroscience of Executive Functions (CNEF), Padova, 28-30 Sept 2017. Doi: 10.23737/CNEF2017. ISBN: 9788867878147.
 10. Pavan C., Vindigni V., **Vallesi A.** (2017) Plastic surgery treatment of post-bariatric patients cannot remain "brainless". European Psychiatry. Vol. 41 Suppl., p. S636. <https://doi.org/10.1016/j.eurpsy.2017.01.1044>
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