

VALERIO SANTANGELO - CURRICULUM VITAE

Contact: Dept. of Philosophy, Social Sciences & Education
University of Perugia,

ORCID:

WEB:

EDUCATION:

- 2001-2005: Ph.D. in Cognitive Psychology, Department of Psychology, Sapienza University of Rome, Italy.
- 2002: Certification as Psychologist, Department of Psychology, Sapienza University of Rome, Italy.
- 2000-2001: Master course in Cognitive Psychology and Neural Networks, Department of Psychology, Sapienza University of Rome, Italy.
- 1995-2000: MSc in Experimental Psychology (110/110 cum laude), Department of Psychology, Sapienza University of Rome, Italy.

PROFESSIONAL EXPERIENCE:

- 2022: Fulbright Research Scholar, Department of Psychology, Harvard university, MA, USA.
- 2017-now: National Scientific Qualification as Full Professor, E11, ANVUR, National Agency for Evaluation of University and Research.
- 2015-now: Associate Professor of General Psychology (M-PSI/01), Department of Philosophy, Social Sciences & Education, University of Perugia.
- 2009-2015: Assistant Professor with tenure of General Psychology (M-PSI/01), Department of Philosophy, Social Sciences & Education, University of Perugia, Italy.
- 2009-now: Scientific collaborator, Neuroimaging Laboratory, IRCCS Santa Lucia Foundation, Rome, Italy.
- 2008: Research Fellow, Cognitive Neuroscience Group, Neuroimaging Laboratory, IRCCS Santa Lucia Foundation, Rome, Italy.
- 2006: Visiting Research Fellow, Crossmodal Lab, Department of Experimental Psychology, University of Oxford, UK.
- 2006-2007: Research Fellow, Cognitive Science and Psychology Lab, Department of Psychology, Sapienza University of Rome, Italy.
- 2004: Visiting Ph.D. student, Neurocognition space group, Department of Psychonomics, Utrecht University, The Netherlands.

RESEARCH TOPICS / EXPERTISE:

Attention; Memory; Executive functions; Multisensory processes; Functional Magnetic Resonance Imaging; Statistical Parametric Mapping; Functional and Effective Connectivity; Independent Component Analysis; Multi-Voxel Pattern Analysis; Eye-Movement Analysis; Neurocomputational Models; Event-Related Brain Potentials; Psychophysics; Programming (MatLab).

AWARDS:

- 2022: Fulbright Research Scholarship awarded by the U.S. – Italy Fulbright Commission to develop a research project at the Department of Psychology, Harvard University, MA (USA).
- 2018: Best publication young investigators, University of Perugia: *“Parietal cortex integrates contextual and saliency signals during the encoding of natural scenes in working memory”* (2015, *Human Brain Mapping*, 36, 5003-5017).
- 2006: Annual visiting fellowship (*Borsa di studio per perfezionamento all'estero*) awarded by Sapienza University of Rome to develop a research project at the Department of Experimental Psychology, Oxford University (UK).
- 1996-2000: Annual Grant ADISU (*Azienda per il Diritto allo Studio Universitario*, Italian Grant for University Study, four awards).

CURRENT RESEARCH SUPPORT:

2018-2022: Italian Ministry of Health, Call for Young Researchers 2016, Theory-enhancing: *“Don’t cry over spilt (formula) milk: Human fMRI correlates of cognitive impairments due to formula feeding and pre-clinical evidence of maternal milk oligosaccharides supplementation as a potential treatment”* (GR-2016-02361921; Overall budget: € 449.941; Duration: 36 months). Role: PI Unit IRCCS Santa Lucia Foundation, behavioral and fMRI studies on selective attention and working memory capacity (Unit budget: € 157.780).

2017-2022: Italian Ministry of Education, University and Research (MIUR), Italian Antarctic Research Program - Call 2016 – Line A2: *“Effects of extreme environments on psychophysiology, energy metabolism and immunity: neuropsychological, immunohistochemical, proteomic and fMRI studies”* (PNRA16_00047; Overall budget: € 278.500; Duration: 48 months). Role: PI Unit University of Perugia, behavioral and fMRI studies on selective attention and working memory capacity (Unit budget: € 45.500).

2021-2023: Bial Foundation, Scientific Research - Grants 2020/2021: *“Psychophysiology of Highly Superior Autobiographical Memory: Shedding light on the mind of people who never forget”* (Project no: 75/20; Budget: € 48.000; Duration: 24 months). Role: project PI.

2021-2024: EU - Umbria region PSR - Innovation Project 2014-2020: *“DOPUP: Dop Olive oil for a new Presence of Umbria on the Planet”* (Overall budget: € 600.000; Duration: 36 months). Role: PI Unit (with prof. C. Mazzeschi) Department of Philosophy, Social Sciences & Education, University of Perugia, evaluation of sensory perception of olive oil (Unit budget: € 48.000).

2021-2024: Italian Ministry of Health, Call 2019 - Change-promoting (Ricerca Finalizzata, RF): *“Leveraging the neural circuits of hypermemory to ameliorate memory dysfunction in prodromal Alzheimer's disease”* (RF-2019-12369567; Overall budget: € 449.230; Duration: 36 months). Role: project CO-PI (with prof. P. Campolongo) and PI Unit Santa Lucia Foundation, IRCCS, behavioral and fMRI studies of Highly Superior Autobiographical Memory (HSAM) (Unit budget: € 161.000).

PROJECT CONSULTANT ACTIVITY:

2015-2018: Italian Ministry of Health, Call for Young Researchers 2013, Clinical health care research: *“Mapping spatial neglect symptoms in the brain: A study combining behavioural data, functional neuroimaging, and computational modelling”* (GR-2013-02358098; Overall budget: € 384.500; Duration: 36 months). PI: dr. B. Spano'. Role: supervision of fMRI studies.

2021-2024: Italian Ministry of Health, Call for Young Researchers 2019, Change-promoting: *“integrating cannabinoids into the treatment of Posttraumatic Stress Disorder: exploring mechanisms of amygdala-hippocampal communication during importation contextualization”* (GR-2019-12369216; Overall budget: € 449.980; Duration: 36 months). PI: dr. M. Morena. Role: supervision of fMRI studies.

2021-2023: Regione Lazio, Bando LazioInnova, “Progetti di Gruppi di Ricerca 2020”: “La nanomedicina incontra le neuroscienze: sviluppo di una strategia terapeutica innovativa per i deficit cognitivi correlati a sindrome metabolica” (*Nanomedicine meets neuroscience: development of an innovative therapeutic strategy for cognitive deficits related to metabolic syndrome*) (Prot. 36526; Overall budget: € 149.727,90; Duration: 24 months). PI: prof. P. Campolongo. Role: supervision of fMRI studies.

PROJECT EVALUATION PANELS:

- 2016-now: Italian Ministry of Education, University and Research (MIUR).
- 2021-now: Istituto Superiore di Sanità (ISS).
- 2022-now: Fulbright Commission.

EDITORIAL ACTIVITIES:

- Cognitive Processing: Vice Editor-in-Chief (<https://www.springer.com/journal/10339/editors>).
- Brain Sciences, section “Systems Neuroscience”: Associate Editor (https://www.mdpi.com/journal/brainsci/sectioneditors/Systems_Neuroscience).
- Brain Sciences, section “Social Cognitive and Affective Neuroscience Section”: Associate Editor (https://www.mdpi.com/journal/brainsci/sectioneditors/Social_Cognitive_Affective_Neuroscience).
- Frontiers in Integrative Neuroscience: Associate Editor (<https://www.frontiersin.org/journals/integrative-neuroscience#editorial-board>).
- Frontiers in Psychology, section “Consciousness Research”: Associate Editor (<https://www.frontiersin.org/journals/psychology/sections/consciousness-research#editorial-board>).
- Frontiers in Psychology, section “Cognition”: Associate Editor (<https://www.frontiersin.org/journals/psychology/sections/cognition#editorial-board>).

ONGOING INTERNATIONAL COOPERATIONS:

- Oxford University, UK (Prof. Charles Spence).
- University of Granada, Spain (Prof. Juan Lupianez).
- University of Birmingham, UK (Prof. Andrew J. Bremner).
- University of California, Irvine, USA (Prof. James L. McGaugh).
- University of Harvard, USA (Prof. Daniel L. Schacter).
- University of Twente, NL (Prof. Rob H. J. van der Lubbe).

PROFESSIONAL MEMBERSHIPS:

- Full member of the Italian Society of Neurosciences, SINS, 2017-now.
- Full member of the Italian Psychological Association, AIP, 2015-now.
- Full member of the European Society for Cognitive Psychology, ESCOP, 2013-now.
- Member of ECONA, Interuniversity Centre for Research on Cognitive Processing in Natural and Artificial Systems, 2009-now. 2017-2020, member of the Scientific Committee of ECONA.

ACADEMIC ACTIVITIES:

- 2018-now: Expert for the evaluation of university programs (*Esperto disciplinare per la valutazione dei corsi di studio*), ANVUR (National Agency for Evaluation of University and Research).
- 2022-now: Research Delegate (*Delegato per la Ricerca*), Department of Philosophy, Social Sciences & Education, University of Perugia.
- 2018-2021: Responsible of Quality Assurance (*Responsabile Qualità*) for the Department of Philosophy, Social Sciences & Education, University of Perugia.
- 2015-2018: Responsible of Quality Assurance (*Responsabile Qualità*) for the Master Course in Psychology, Department of Philosophy, Social Sciences & Education, University of Perugia.
- 2014-2015: Responsible of Quality Assurance (*Responsabile Qualità*) for the Undergraduate Course in Psychology, Department of Philosophy, Social Sciences & Education, University of Perugia.
- 2014-2019: Member of the Joint Teaching-Student Committee (*Commissione Paritetica Docenti-Studenti*), Department of Philosophy, Social Sciences & Education, University of Perugia.
- 2015-now: Professor of “Cognitive assessment through neuroimaging”, Master Course in Psychology, Department of Philosophy, Social Sciences & Education, University of Perugia, Italy.
- 2011-now: Professor of “Cognitive Psychology”, Undergraduate Course in Psychology, Department of Philosophy, Social Sciences & Education, University of Perugia, Italy.
- 2009-2011: Professor of “Psychometrics”, Undergraduate Course in Psychology, Department of Philosophy, Social Sciences & Education, University of Perugia, Italy.
- 2014-now: Member of the Ph.D. program in “Human Sciences”, Psychological section, University of Perugia, Italy.
- 2009-2014: Member of the Ph.D. program in “Cognitive Psychology and Psychophysiology”, Sapienza University of Rome, Italy.
- 2002-now: Supervisor of undergraduate, graduate and Ph.D. students.

BIBLIOMETRIC INDICATORS:

Scopus: H-index = 26; Total citations= 1679 (<https://www.scopus.com/authid/detail.uri?authorId=8624582600>).

Scholar: H-index = 29; Total Citations= 2491 (<https://scholar.google.co.uk/citations?user=p5IBI7AAAAAJ&hl=it>).

Author of 60+ peer-reviewed publications, including research articles on high-impact journals such as PNAS, Cortex, Journal of Neuroscience, and Neuron, plus international and national book chapters. Author of 60+ contributions (oral presentations/posters) in national and international conferences. Organizer of several symposia involving international speakers. Invited as a speaker for several national and international lectures.

LIST OF INTERNATIONAL PEER-REVIEWED PUBLICATIONS (67):

- Dupont, L., **Santangelo, V.**, Azevedo, R. T., Panasiti, M. S., & Aglioti, S. M. (2023). Reputation risk during dishonest social decision-making modulates anterior insular and cingulate cortex activity and connectivity. *Communications Biology*. <https://doi.org/10.1038/s42003-023-04827-w>
- Daviddi, S., Pedale, T., St. Jacques, P. L., Schacter, D. L., & **Santangelo, V.** (2023). Common and distinct correlates of construction and elaboration of episodic-autobiographical memory: An ALE meta-analysis. *Cortex*, 163, 123-138. <https://doi.org/10.1016/j.cortex.2023.03.005>

- Capurso, M., Pedale, T., **Santangelo, V.**, Pagano Salmi, L., & Mazzeschi, C. (2023). Italian children's accounts of the lockdown: Insights and perspectives. *Journal of Child and Family Studies*.
<https://doi.org/10.1007/s10826-022-02508-6>
- Pedale, T., Mastroberardino, S., Del Gatto, C., Capurso, M., Bellagamba, F., Addressi, E., Macrì, S., & **Santangelo, V.** (2023). Searching for a relationship between early breastfeeding and cognitive development of attention and working memory capacity. *Brain Sciences*, 13, 53.
<https://doi.org/10.3390/brainsci13010053>
- **Santangelo, V.**, Macrì, S., & Campolongo, P. (2022). Superior memory as a new perspective to tackle memory loss. *Neuroscience and Biobehavioral Reviews*, 141:104828.
<https://doi.org/10.1016/j.neubiorev.2022.104828>
- Daviddi, S., Orwig, W., Palmiero, M., Campolongo, P., Schacter D. L., & **Santangelo, V.** (2022). Individuals with highly superior autobiographical memory do not show enhanced creative thinking. *Memory*, 30, 1148-1157. <https://doi.org/10.1080/09658211.2022.2094416>
- **Santangelo, V.** (2022). On the contribution of the ventromedial prefrontal cortex to the neural representation of past memories. *Cognitive Neuroscience*, 13, 154-155.
<http://dx.doi.org/10.1080/17588928.2022.2076072>
- Pedale, T., Mastroberardino, S., Capurso, M., Macrì, S., & **Santangelo, V.** (2022). Developmental differences in the impact of perceptual salience on short-term memory performance and meta-memory skills. *Scientific Reports*, 12: 8185. <https://doi.org/10.1038/s41598-022-11624-8>
- Daviddi, S., Mastroberardino, S., St. Jacques P. L., Schacter D. L., & **Santangelo, V.** (2022). Remembering a virtual museum tour: Viewing time, memory reactivation, and memory distortion. *Frontiers in Psychology – Neuropsychology*, 13:869336. (Research Topic: “Virtual, Mixed, and Augmented Reality in Cognitive Neuroscience and Neuropsychology”, A. Salatino, D. Burin, & M. Ziat, Eds.)
<https://doi.org/10.3389/fpsyg.2022.869336>
- Spanò B., Nardo, D., Giulietti, G., Matano, A., Salsano, I., Briani, C., Vadalà, R., Marzi, C., De Luca, M., Caltagirone, C., & **Santangelo, V.** (2022). Left egocentric neglect in early subacute right-stroke patients is related to damage of the superior longitudinal fasciculus. *Brain Imaging and Behavior*, 16, 211-218.
<https://doi.org/10.1007/s11682-021-00493-w>
- Daviddi, S., Pedale, T., Serra, L., Macrì, S., Campolongo, P., & **Santangelo, V.** (2022). Altered hippocampal resting-state functional connectivity in highly superior autobiographical memory. *Neuroscience*, 480, 1-8. <https://doi.org/10.1016/j.neuroscience.2021.11.004>
- Almadori, E., Mastroberardino, S., Botta, F., Brunetti, R., Lupianez, J., Spence, C., & **Santangelo, V.** (2021). Crossmodal semantic congruence interacts with object contextual consistency in complex visual scenes to enhance short-term memory performance. *Brain Sciences*, 11, 1206.
<https://doi.org/10.3390/brainsci11091206>
- **Santangelo, V.**, Pedale, T., Colucci, P., Giulietti, G., Macrì, S., & Campolongo, P. (2021). Highly superior autobiographical memory in aging: A single case study. *Cortex*, 143, 267-280.
<https://doi.org/10.1016/j.cortex.2021.05.011>

- Botta, F., Lupiáñez, J., **Santangelo, V.**, & Martín-Arévalo, E. (2021). Transcranial magnetic stimulation of the right superior parietal lobule modulates the retro-cue benefit in visual short-term memory. *Brain Sciences*, *11*, 252. <https://doi.org/10.3390/brainsci11020252>
- Pedale, T., Mastroberardino, S., Capurso, M., Bremner, A. J., Spence, C., & **Santangelo, V.** (2021). Crossmodal spatial distraction across the lifespan. *Cognition*, *210*: 104617. <https://doi.org/10.1016/j.cognition.2021.104617>
- Salsano, I., **Santangelo, V.**, & Macaluso, E. (2021). The lateral intraparietal sulcus takes viewpoint-changes into account during memory-guided attention in natural scenes. *Brain Structure and Function*, *226*, 989-1006. <https://doi.org/10.1007/s00429-021-02221-y>
- Nigro, P., Chiappiniello, A., Simoni, S., Paolini Paoletti, F., Cappelletti, G., Chairini, P. O., Filidei, M., Eusebi, P., Guercini, G., **Santangelo, V.**, Tarducci, R., Calabresi, P., Parnetti, L., & Tambasco, N. (2021). Changes of olfactory tract in Parkinson's disease: a DTI-tractography study. *Neuroradiology*, *63*, 235-242. <https://doi.org/10.1007/s00234-020-02551-4>
- Scalici, F., Carlesimo, G. A., **Santangelo, V.**, Barban, F., Macaluso, E., Caltagirone, C., & Costa, A. (2021). Does cue focality modulate age-related performance in prospective memory? An fMRI investigation. *Experimental Aging Research*, *47*, 1-20. <https://doi.org/10.1080/0361073X.2020.1839310>
- Simoni, S., Paolini Paoletti, F., Eusebi, P., Cappelletti, G., Filidei, M., Brahim, E., Nigro, P., **Santangelo, V.**, Parnetti, L., Calabresi, P., & Tambasco, N. (2020). Impulse control disorders and levodopa-induced dyskinesias in Parkinson's disease: Pulsatile versus continuous dopaminergic stimulation. *Journal of Parkinson's Disease*, *10*, 927-934. <https://doi.org/10.3233/jpd-191833>
- **Santangelo, V.**, Pedale, T., Macrì, S., & Campolongo (2020). Enhanced cortical specialization to distinguish older and newer memories in highly superior autobiographical memory. *Cortex*, *129*, 476-483. <https://doi.org/10.1016/j.cortex.2020.04.029>
- Capurso, M., Rossetti, C., Mutti, L., Ciani, A., & **Santangelo, V.** (2020). A low cost, volunteer-based program to prepare children to undergo magnetic resonance imaging without sedation. *Children's Health Care*, *49*, 1-19. <https://doi.org/10.1080/02739615.2018.1545581>
- Pedale, T., Macaluso, E., & **Santangelo, V.** (2019). Enhanced insular/prefrontal connectivity when resisting from emotional distraction during visual search. *Brain Structure and Function*, *224*, 2009-2026. <https://doi.org/10.1007/s00429-019-01873-1>
- **Santangelo, V.**, & Bordier, C. (2019). Large-scale brain networks underlying successful and unsuccessful encoding, maintenance, and retrieval of everyday scenes in visuospatial working memory. *Frontiers in Psychology*, *10*, 233. (Research topic: "Toward an ecological approach to human memory", M. Sperduti, V. La Corte, P. Piolino, & S. Serino, Eds.) <https://doi.org/10.3389/fpsyg.2019.00233>
- Cavallina, C., Puccio, G., Capurso, M., Bremner, A. J., & **Santangelo, V.** (2018). Cognitive development attenuates audiovisual distraction and promotes the selection of task-relevant perceptual saliency during visual search on complex scenes. *Cognition*, *180*, 91-98. <https://doi.org/10.1016/j.cognition.2018.07.003>
- **Santangelo, V.**, Cavallina, C., Colucci, P., Santori, A., Macrì, S., McGaugh, J. L., & Campolongo, P. (2018). Enhanced brain activity associated with memory access in highly superior autobiographical memory. *Proceedings of the National Academy of Sciences of the United States of America*, *115*, 7795-7780. <https://doi.org/10.1073/pnas.1802730115>
- **Santangelo, V.** (2018). Large-scale brain networks supporting divided attention across spatial locations and sensory modalities. *Frontiers in Integrative Neuroscience*, *12*, 8. (Research topic: "Sensory-motor aspects of nervous systems disorders: Insights from biosensors and smart technology in the dynamic

assessment of disorders, their progression, and treatment outcomes”, E. B. Torres, Ed.)
<https://doi.org/10.3389/fnint.2018.00008>

- Brunetti, R., Indraccolo, A., Del Gatto, C., Spence, C., & **Santangelo, V.** (2018). Are crossmodal correspondences relative or absolute? Sequential effects on speeded classification. *Attention, Perception & Psychophysics*, *80*, 527-534. <https://doi.org/10.3758/s13414-017-1445-z>
- Buttafuoco, A., Pedale, T., Buchanan, T., & **Santangelo, V.** (2018). Only “efficient” emotional stimuli affect the content of working memory during free-recollection from natural scenes. *Cognitive Processing*, *19*, 125-132. <https://doi.org/10.1007/s10339-017-0846-1>
- Pedale, T., Basso, D., & **Santangelo, V.** (2017). Processing of negative stimuli facilitates event-based prospective memory only under low memory load. *Journal of Cognitive Psychology*, *29*, 920-928. <https://doi.org/10.1080/20445911.2017.1329204>
- Russo, A., Buratta, L., Pippi, R., Aiello, C., Ranucci, C., Reginato, E., **Santangelo, V.**, De Feo, P., & Mazzeschi, C. (2017). Effect of training exercise on urinary brain-derived neurotrophic factor levels and cognitive performances in overweight and obese subjects: A pilot study. *Psychological Reports*, *120*, 70-87. <https://doi.org/10.1177/0033294116679122>
- Brunetti, R., Indraccolo, A., Mastroberardino, S., Spence, C., & **Santangelo, V.** (2017). The impact of cross-modal correspondences on working memory performance. *Journal of Experimental Psychology: Human Perception and Performance*, *43*, 819-831. <https://doi.org/10.1037/xhp0000348>
- **Santangelo, V.**, Di Francesco, S. A., Mastroberardino, S., & Macaluso, E. (2015). Parietal cortex integrates contextual and saliency signals during the encoding of natural scenes in working memory. *Human Brain Mapping*, *36*, 5003-5017. <https://doi.org/10.1002/hbm.22984>
- Mastroberardino, S., **Santangelo, V.**, & Macaluso, E. (2015). Crossmodal semantic congruence can affect visuo-spatial processing and activity of the fronto-parietal attention networks. *Frontiers in Integrative Neuroscience*, *9*, 45. (Research topic: “A matter of bottom-up or top-down processes: The role of attention in multisensory integration”, R. Adam, S. Soto-Faraco, & J. Hartcher-O’Brien, Eds.) <https://doi.org/10.3389/fnint.2015.00045>
- Pedale, T., & **Santangelo, V.** (2015). Perceptual salience affects the contents of working memory during free-recollection of objects from natural scenes. *Frontiers in Human Neuroscience*, *9*, 60:1-8 (Research Topic: “Turning the Mind’s Eye Inward: The Interplay between Selective Attention and Working Memory”, E. Abrahamse, J.-P. van Dijck, S. Majerus, & W. Fias, Eds.) <https://doi.org/10.3389/fnhum.2015.00060>
- **Santangelo, V.** (2015). Forced to remember: When memory is biased by salient information. *Behavioural Brain Research*, *283*, 1-10. <https://doi.org/10.1016/j.bbr.2015.01.013>
- Nardo, D., **Santangelo, V.**, & Macaluso, E. (2014). Spatial orienting in complex audiovisual environments. *Human Brain Mapping*, *35*, 1597-1614. <https://doi.org/10.1002/hbm.22276>
- Azevedo, R. T., Macaluso, E., Avenanti, A., **Santangelo, V.**, Cazzato, V., & Aglioti, S. M. (2013). Their pain is not our pain: Brain and autonomic correlates of empathic resonance with the pain of same and different-race individuals. *Human Brain Mapping*, *34*, 3168-3181. <https://doi.org/10.1002/hbm.22133>
- **Santangelo, V.**, & Macaluso, E. (2013). Visual salience improves spatial working memory via enhanced parieto-temporal functional connectivity. *Journal of Neuroscience*, *33*, 4110-4117. <https://doi.org/10.1523/jneurosci.4138-12.2013>
- **Santangelo, V.**, & Macaluso, E. (2013). The contribution of working memory to divided attention. *Human Brain Mapping*, *34*, 158-175. <https://doi.org/10.1002/hbm.21430>

- **Santangelo, V.**, & Macaluso, E. (2012). Spatial attention and audiovisual processing. In: B. E. Stein (Ed.), *The New Handbook of Multisensory Processing* (pp. 359-370). Cambridge, MA: The MIT Press. <https://mitpress.mit.edu/books/new-handbook-multisensory-processing>
- Spence, C., & **Santangelo, V.** (2012). Auditory attention. In: C. Plack (Ed.), *Oxford Handbook of Auditory Science: Hearing* (pp. 249-270). Oxford, UK: Oxford University Press. <https://doi.org/10.1093/oxfordhb/9780199233557.013.0011>
- Botta, F., **Santangelo, V.**, Raffone, A., Sanabria, D., Lupiáñez, J., & Olivetti Belardinelli, M. (2011). Multisensory integration affects visuo-spatial working memory. *Journal of Experimental Psychology: Human Perception and Performance*, 37, 1099-1109. <https://doi.org/10.1037/a0023513>
- Nardo, D., **Santangelo, V.**, & Macaluso, E. (2011). Stimulus-driven orienting of visuo-spatial attention in complex dynamic environments. *Neuron*, 69, 1015-1028. <https://doi.org/10.1016/j.neuron.2011.02.020>
- **Santangelo, V.**, Botta, F., Lupiáñez, J., & Spence, C. (2011). The time-course of attentional capture under dual-task conditions. *Attention, Perception & Psychophysics*, 73, 15-23. <https://doi.org/10.3758/s13414-010-0017-2>
- Barban, F., Zannino, G. D., **Santangelo, V.**, Serra, L., Macaluso, E., Caltagirone, C., & Carlesimo, G. A. (2010). Amblyopic dyslexia: A little investigated reading disorder. *Neurocase*, 16, 397-407. <https://doi.org/10.1080/13554791003620298>
- Botta, F., **Santangelo, V.**, Raffone, A., Olivetti Belardinelli, M., & Lupianez, J. (2010). Exogenous and endogenous spatial attention effects on visuospatial working memory. *Quarterly Journal of Experimental Psychology*, 63, 1590-1602. <https://doi.org/10.1080/17470210903443836>
- **Santangelo, V.**, Fagioli, S. & Macaluso, E. (2010). The costs of monitoring simultaneously two sensory modalities decrease when dividing attention in space. *NeuroImage*, 49, 2717-2727. <https://doi.org/10.1016/j.neuroimage.2009.10.061>
- Spence, C., & **Santangelo, V.** (2009). Capturing spatial attention with multisensory cues: A review. *Hearing Research*, 258, 134-142. <https://doi.org/10.1016/j.heares.2009.04.015>
- **Santangelo, V.**, Olivetti Belardinelli, M., Spence, C. & Macaluso, E. (2009). Interactions between voluntary and stimulus-driven spatial attention mechanisms across sensory modalities. *Journal of Cognitive Neuroscience*, 21, 2384-2397. <https://doi.org/10.1162/jocn.2008.21178>
- Mastroberardino, S., & **Santangelo, V.** (2009). New perspectives in assessing deception: The evolution of the truth machine. *European Journal of Cognitive Psychology*, 21, 1085-1099. <https://doi.org/10.1080/09541440802678347>
- Dalton, P., **Santangelo, V.**, & Spence, C. (2009). The role of working memory in auditory selective attention. *Quarterly Journal of Experimental Psychology*, 62, 2126-2132. <https://doi.org/10.1080/17470210903023646>
- Ho, C., **Santangelo, V.**, & Spence, C. (2009). Multisensory warning signals: When spatial correspondence matters. *Experimental Brain Research*, 195, 261-272. <https://doi.org/10.1007/s00221-009-1778-5>
- **Santangelo, V.**, & Spence, C. (2009). Crossmodal exogenous orienting improves the accuracy of temporal order judgments. *Experimental Brain Research*, 194, 577-586. <https://doi.org/10.1007/s00221-009-1734-4>
- **Santangelo, V.**, & Spence, C. (2008). Is the exogenous orienting of spatial attention truly automatic? Evidence from unimodal and multisensory studies. *Consciousness and Cognition*, 17, 989-1015. <https://doi.org/10.1016/j.concog.2008.02.006>
- **Santangelo, V.**, Ho, C., & Spence, C. (2008). Capturing spatial attention with multisensory cues. *Psychonomic Bulletin & Review*, 15, 398-403. <https://doi.org/10.3758/pbr.15.2.398>

- Mastroberardino, S., **Santangelo, V.**, Botta, F., Marucci, F. S., Olivetti Belardinelli, M. (2008). How the bimodal format of presentation affects working memory: An overview. *Cognitive Processing*, 9, 69-76. (Special Issue on: "Domain-general and Domain-specific Components of Working Memory", H. D. Zimmer, Ed.) <https://doi.org/10.1007/s10339-007-0195-6>
- **Santangelo, V.**, & Spence, C. (2008). Crossmodal attentional capture in an unspeeded simultaneity judgment task. *Visual Cognition*, 16, 155-165. (Special Issue on: "Attentional Capture", B. S. Gibson, C. Folk, J. Theeuwes, & A. Kingstone, Eds.) <https://doi.org/10.1080/13506280701453540>
- **Santangelo, V.**, Van der Lubbe, R. H. J., Olivetti Belardinelli, M., & Postma, A. (2008). Multisensory integration affects ERP components elicited by exogenous cues. *Experimental Brain Research*, 185, 269-277. <https://doi.org/10.1007/s00221-007-1151-5>
- **Santangelo, V.**, Finioia, P., Raffone, A., Olivetti Belardinelli, M., & Spence, C. (2008). Perceptual load affects exogenous spatial orienting while working memory load does not. *Experimental Brain Research*, 184, 371-382. <https://doi.org/10.1007/s00221-007-1108-8>
- **Santangelo, V.**, & Spence, C. (2007). Multisensory cues capture spatial attention regardless of perceptual load. *Journal of Experimental Psychology: Human Perception and Performance*, 33, 1311-1321. <https://doi.org/10.1037/0096-1523.33.6.1311>
- **Santangelo, V.**, & Spence, C. (2007). Assessing the automaticity of the exogenous orienting of tactile attention. *Perception*, 36, 1497-1505. <https://doi.org/10.1068/p5848>
- Olivetti Belardinelli, M., **Santangelo, V.**, Botta, F., & Federici, S. (2007). Are vertical meridian effects due to audio-visual interference? A new confirmation with deaf subjects. *Disability & Rehabilitation*, 29, 797-804. <https://doi.org/10.1080/09638280600919780>
- **Santangelo, V.**, Olivetti Belardinelli, M., & Spence, C. (2007). The suppression of reflexive visual and auditory orienting when attention is otherwise engaged. *Journal of Experimental Psychology: Human Perception and Performance*, 33, 137-148. <https://doi.org/10.1037/0096-1523.33.1.137>
- **Santangelo, V.**, & Spence, C. (2007). Assessing the effect of verbal working memory load on visuo-spatial exogenous orienting. *Neuroscience Letters*, 413, 105-109. <https://doi.org/10.1016/j.neulet.2006.11.037>
- **Santangelo, V.**, Van der Lubbe, R. H. J., Olivetti Belardinelli, M., & Postma, A. (2006). Spatial attention triggered by unimodal, crossmodal, and bimodal exogenous cues: A comparison on reflexive orienting mechanisms. *Experimental Brain Research*, 173, 40-48. <https://doi.org/10.1007/s00221-006-0361-6>
- Olivetti Belardinelli, M., & **Santangelo, V.** (2005). The head-centered meridian effect: Auditory attention orienting in conditions of impaired visuo-spatial information. *Disability & Rehabilitation*, 27, 761-768. <https://doi.org/10.1080/09638280400014824>
- **Santangelo, V.**, & Olivetti Belardinelli, M. (2002). Spatial modeling: Simulating place cells activity by an action potential timing network. *Cognitive Processing*, 3, 123-129.