

**Publications Prof. Dr. Tilo Strobach (updated: April 2023)**

**Books**

- Strobach, T., & Karbach, J. (2021). *Cognitive training: An overview of features and applications (2<sup>nd</sup> edition)*. New York, NY: Springer.
- Strobach, T. (2020). *Kognitive Psychologie*. Stuttgart: Kohlhammer.
- Strobach, T., & Wendt, M. (2018). *Was ist eigentlich Allgemeine Psychologie?* Heidelberg: Springer.
- Strobach, T., Wendt, M., & Janczyk, M. (Eds.) (2018). *Multitasking: Executive functioning in dual-task and task switching situation*. Research Topic in Frontiers in Psychology.
- Strobach, T. & Karbach, J. (2016). *Cognitive training: An overview of features and applications*. New York, NY: Springer.
- Strobach, T. (2014). *Executive functions modulated by context, training, and age*. Habilitation. Humboldt-Universität zu Berlin.
- Strobach, T. (2009). *On the mechanisms improving dual-task performance with practice*. Dissertation. Humboldt-Universität zu Berlin.

**Journal publications and book chapters**

**In press**

- Heidemann, F., Rickard, T., Schubert, T., & Strobach, T. (in press). Age does not modify the processing architecture of dual memory retrieval: An investigation of age-related effects on dual-retrieval practice in younger and older adults. *Aging, Neuropsychology, & Cognition*.

**2023**

- Gürdere, C., Strobach, T., Pastore, M., & Pfeffer, I. (2023). Do executive functions predict physical activity behavior? – A Meta-Analysis. *BMC Psychology*, 23:11.
- Strobach, T., Kürten, J., & Huestegge, L. (2023). Benefits of repeated alternations – Task-specific vs. task-general sequential adjustments of dual-task order control. *Acta Psychologica*, 103921.
- Utz, S., Mueller, R., Strobach, T., & Carbon, C.-C. (2023). Under the sun: Adaptation effects to changes in facial complexion. *BMC Psychology*, 11, 96.
- von Bastian, C. C., Belleville, S., Reinhartz, A., & Strobach, T. (2023). Reply to 'Efficiency and capacity mechanisms can coexist in cognitive training'. *Nature Reviews Psychology*, 2, 128.

**2022**

- Karbach, J., & Strobach, T. (2022). Multitasking Training. In A. Kiesel, L. Johannsen, I. Koch, & H. Müller (Eds.), *Handbook of Human Multitasking*. Cham: Springer.
- Kübler, S., Strobach, T., & Schubert, T. (2022). On the organisation of order and task-specific information in dual-task situations. *Journal of Experimental Psychology: Human Perception and Performance*, 48(1), 94-113.
- Kübler, S., Strobach, T., & Schubert, T. (2022). The role of working memory for task-order coordination in dual-task situations. *Psychological Research*, 86, 452-473.
- Pfeffer, I. & Strobach, T. (2022). Die Bedeutung exekutiver Funktionen für die Selbstregulation des körperlichen Aktivitätsverhaltens. [The importance of executive functions in the self-regulation of physical activity behavior.] In S. Klatt & B. Strauss (Eds.), *Kognition und Motorik. [Cognition and motor skills]* Göttingen: Hogrefe.
- Pfeffer, I., & Strobach, T. (2022). Physical activity automaticity, intention, and trait self-control as predictors of physical activity behavior – a dual-process perspective. *Psychology, Health & Medicine*, 27(5), 1021-1034.

- Strobach, T., & Wendt, M. (2022). Trial-to-trial modulation of task-order switch costs survive long inter-trial intervals. *BMC Psychology*, 10:77.
- von Bastian, C. C., Belleville, S., Udale, R. C., Reinhartz, A., Essouni, M., & Strobach, T. (2022). Mechanisms underlying training-induced cognitive changes. *Nature Reviews Psychology*, 1, 30 - 41.
- von Bastian, C. C., Reinhartz, A., Udale, R. C., Grégoire, S., Essouni, M., Belleville, S., & Strobach, T. (2022). Mechanisms of processing speed training and transfer effects across the adult lifespan: protocol of a multi-site cognitive training study. *BMC Psychology*, 10(1), 168.

## 2021

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- Huestegge, L., Hoffmann, M., & Strobach, T. (2021). Task order representations in dual tasks: Separate or integrated with component task sets? *Quarterly Journal of Experimental Psychology*, 74(12), 2097-2111.
- Huestegge, L., & Strobach, T. (2021). Structuralist mental representation of dual-action demands: Evidence for compositional coding from dual tasks with low cross-task dimensional overlap. *Acta Psychologica*, 103298.
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## 2018

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## 2015

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## 2011

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