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**Publikationen chronologisch (Stand Oktober 2021)**

- Schaefer, S., Frisch, N., & C. Ohlinger (in press). Choosing an optimal motor-task difficulty is not trivial: The influence of age and expertise. *Psychology of Sport and Exercise*
- Kaczmarek, C., Schmidt, A., Emperle, A., & Schaefer, S. (in press). The influence of social contexts on motor and cognitive performance: Performing alone, in front of others, or co-acting with others. *Journal of Sport and Exercise Psychology*
- Amico, G., Braun, T. & Schaefer, S. (in press). Can acute resistance exercise facilitate episodic memory encoding? *Current Psychology*
- Amico, G. & Schaefer, S. (in press). Embodiment effects in spatial short-term memory from childhood to young adulthood: Searching for benefits but finding mainly costs. *Mind, Brain, and Education*
- Möhring, W., Klupp, S., Zumbrunnen, R., Segerer, R., Schaefer, S., & Grob, A. (2021). Age-related changes in children's cognitive-motor dual-tasking: Evidence from a large, cross-sectional sample. *Journal of Experimental Child Psychology*, 206, 105103.
- Amico, G., & Schaefer, S. (2021). Negative effects of embodiment in a visual spatial working memory task in children, young adults, and oldults. *Frontiers in Psychology*, 12, 688147.
- Möhring, W., Klupp, S., Segerer, R., Schaefer, S., & Grob, A. (2020). Effects of various executive functions on adults' and children's walking. *Journal of Experimental Psychology: Human Perception and Performance*, 46, 629-642.
- Vieweg, J., & Schaefer, S. (2020). How an age simulation suit affects motor and cognitive performance and self-perception in younger adults. *Experimental Aging Research*, 46, 273-290.
- Amico, G., & Schaefer, S. (2020). Running during encoding improves word learning for children. *Frontiers in Psychology*. doi: 10.3389/fpsyg.2020.00684
- Schaefer, S., & Scornaienchi, D. (2019). Table tennis experts outperform novices in a demanding cognitive-motor dual-task situation. *Journal of Motor Behavior*, 52, 204-213.
- Amico, G., & Schaefer, S. (2019). No evidence for performance improvements in episodic memory due to fidgeting, doodling or a "neuro-enhancing" drink. *Journal of Cognitive Enhancement*. doi: 10.1007/s41465-019-00124-9
- Schaefer, S. (2019). Werde ich das schaffen? Unter- und Überschätzung der eigenen Fähigkeiten im Alltag. *InMind*, 3.
- Schaefer, S. (2018). Why is it difficult to cross the street while talking? *Frontiers for Young Minds*, 6, 30. doi: 10.3389/frym.2018.00030
- Schaefer, S. (2018). Embodiment helps children solve a spatial working memory task: Interactions with age and gender. *Journal of Cognitive Enhancement*. doi: 10.1007/s41465-018-0081-4
- Meeusen, R., Schaefer, S., Tomporowski, P., & Bailey, R. (Hrsg.). (2018). *Physical activity and educational achievement: Insights from exercise neuroscience*. London: Routledge.
- Kleemeyer, M., Kühn, S., Prindle, J., Bodammer, N. C., Brechtel, L., Garthe, A., Kempermann, G., Schaefer, S., & Lindenberger, U. (2016). Changes in fitness are associated with changes in hippocampal microstructure and hippocampal volume among older adults. *NeuroImage*, 131, 155-161.

- Schaefer, S., Kleemeyer, M. & Lindenberger, U. (2015). Kognition und Motorik über die Lebensspanne: Doppelaufgabenstudien und eine Fitnessintervention. *Leipziger Sportwissenschaftliche Beiträge*, 56, 114-125.
- Schaefer, S., Jagenow, D., Verrel, J. & Lindenberger, U. (2015). The influence of cognitive load and walking speed on gait regularity in children and young adults. *Gait and Posture*, 41, 258-262.
- Schaefer, S., Schellenbach, M., Lindenberger, U., & Woollacott, M. (2015). Walking in high-risk settings: Do older adults still prioritize gait when distracted by a cognitive task? *Experimental Brain Research*, 233, 79-88.
- Schaefer, S. (2014). The ecological approach to dual-task research: Findings on the effects of expertise and age. *Frontiers in Psychology*, 5, 1-9.
- Wenger, E., Mårtensson, J., Noack, H., Bodammer, N. C., Kühn, S., Schaefer, S., Heinze, H.-J., Düzel, E., Bäckman, L., Lindenberger, U., & Lövdén, M. (2014). Comparing manual and automatic segmentation of hippocampal volumes: Reliability and validity issues in younger and older brains. *Human Brain Mapping*, 35, 4236-4248.
- Riediger, M., Voelke, M., Schaefer, S. & Lindenberger, U. (2014). Charting the life course: Age differences and validity of beliefs about lifespan development. *Psychology and Aging*, 29, 503-520.
- Schaefer, S. & Lindenberger, U. (2013). Thinking while walking: Experienced high-heel walkers flexibly adjust their gait. *Frontiers in Psychology*, 4, 1-7.
- Kray, J. & Schaefer, S. (2012). Mittlere und späte Kindheit (6-11 Jahre). In W. Schneider & U. Lindenberger (Hrsg.), *Entwicklungspsychologie* (7. Auflage, ehemals Oerter & Montada; pp. 211-234). Weinheim: Beltz.
- Wenger, E., Schaefer, S., Noack, H., Kühn, S., Martensson, J., Heinze, H.-J., Düzel, E., Bäckman, L., Lindenberger, U., & Lövdén, M. (2012). Cortical thickness changes following spatial navigation training in adulthood and aging. *NeuroImage*, 59, 3386-3397.
- Lövdén, M., Schaefer, S., Noack, H., Bodammer, N. C., Kühn, S., Heinze, H.-J., Düzel, E., Bäckman, L. & Lindenberger, U. (2012). Spatial navigation training protects the hippocampus against age-related changes during early and late adulthood. *Neurobiology of Aging*, 33, 620.e9-620.e22.
- Krampe, R. Th., Schaefer, S., Lindenberger, U., & Baltes, P. B. (2011). Lifespan changes in multi-tasking: Concurrent walking and memory search in children, young, and older adults. *Gait and Posture*, 33, 401-405.
- Schaefer, S. & Schumacher, V. (2011). The interplay of cognitive and motor functioning in healthy older adults: Findings from dual-task studies and suggestions for intervention. *Gerontology*, 57, 239-246.
- Lövdén, M., Schaefer, S., Noack, H., Kanowski, M., Kaufmann, J., Tempelmann, C., Bodammer, N. C., Kühn, S., Heinze, H.-J., Lindenberger, U., Düzel, E. & Bäckman, L. (2011). Performance-related increases in hippocampal N-acetylaspartate (NAA) induced by spatial navigation training are restricted to BDNF val homozygotes. *Cerebral Cortex*, 21, 1435-1442.
- Lövdén, M., Bäckman, L., Lindenberger, U., Schaefer, S. & Schmiedek, F. (2010). A theoretical framework for the study of adult cognitive plasticity. *Psychological Bulletin*, 136, 659-676.
- Schaefer, S., Lövdén, M., Wieckhorst, B., & Lindenberger, U. (2010). Cognitive performance is improved while walking: Differences in cognitive-sensorimotor couplings between children and young adults. *European Journal of Developmental Psychology*, 7, 371-389.

- Schaefer, S., Krampe, R. Th., & Lindenberger, U. (2009). Gleichzeitig Balancieren und Denkaufgaben bearbeiten: Altersunterschiede zwischen Kindern und jungen Erwachsenen. In V. Nagel & V. Lippens (Hrsg.), *Sportwissenschaft und Sportpraxis: Gleichgewichts-Leistungen im Handlungsbezug. Aktuelle Arbeiten aus der Gleichgewichtsforschung* (pp. 13-24). Hamburg: Czwalina-Verlag.
- Verrel, J., Lövdén, M., Schellenbach, M., Schaefer, S., & Lindenberger, U. (2009). Interacting effects of cognitive load and adult age on the regularity of whole-body motion during treadmill walking. *Psychology and Aging, 24*, 75-81.
- Huxhold, O., Schäfer, S., & Lindenberger, U. (2009). Wechselwirkungen zwischen Sensomotorik und Kognition im Alter: Überblick über ein internationales Forschungsfeld. *Zeitschrift für Gerontologie und Geriatrie, 42*, 93-98.
- Schaefer, S., Krampe, R. Th., Lindenberger, U., & Baltes, P. B. (2008). Age differences between children and young adults in the dynamics of dual-task prioritization: Body (balance) vs. mind (memory). *Developmental Psychology, 44*, 747-757.
- Lövdén, M., Schaefer, S., Pohlmeier, A., & Lindenberger, U. (2008). Walking variability and working memory load in aging: A dual-process account relating cognitive control to motor control performance. *Journal of Gerontology: Psychological Science, 63B*, P121-P128.
- Lindenberger, U., & Schaefer, S. (2008). Erwachsenenalter und Alter. In R. Oerter & L. Montada (Hrsg.), *Entwicklungspsychologie* (6. Auflage, pp. 366-409). Weinheim: Beltz.
- Schaefer, S. & Bäckman, L. (2007). Normales und pathologisches kognitives Altern. In J. Brandtstädter & U. Lindenberger (Hrsg.), *Lehrbuch zur Entwicklungspsychologie der Lebensspanne*. Stuttgart: Kohlhammer.
- Schaefer, S., Huxhold, O., & Lindenberger, U. (2006). Healthy mind in healthy body? A review of sensorimotor-cognitive interdependencies in old age. *European Review of Aging and Physical Activity, 3*, 45-54.