

PUBLICATIONS

Peer-reviewed articles:

2025

- (37) **Finke, J.B.**, Hofmann, J.M., Spaderna, H., Schächinger, H. The dark side of the white coat: startle potentiation and memory bias in patients with illness-related anxiety and controls – a cross-sectional psychophysiological study. *Journal of Psychosomatic Research*, in press.
- (36) Breuer, F., Hildebrand, A.S., **Finke, J.B.**, Bucher, L., Dannlowski, U., Klucken, T., ... & Leehr, E.J. (2025). Antisaccade performance in spider phobia and its association with multimodal correlates of fear. *Journal of Anxiety Disorders*, 103078.
- (35) Huthsteiner, K., **Finke, J.B.**, Peters, E.M., Klucken, T., & Stalder, T. (2025). Hair cortisol and other hair analytes decline with storage over a one-year period: a systematic, within-subject investigation. *Psychoneuroendocrinology*, 181, 107593.
- (34) **Finke, J.B.**, Klucken, T. (2025). Reward responsiveness (BAS) facilitates contingency awareness in appetitive conditioning. *Learning & Memory*, 32, a054111.
- (33) **Finke, J.B.**, Schippers, A. M., & Klucken, T. (2025). Intra-individual comparison of appetitive trace and delay conditioning in humans across acquisition and extinction. *Scientific Reports*, 20156.
- (32) **Finke, J.B.**, & Klucken, T. (2025). Trait sexual motivation shapes cue reactivity in visual, but not auditory, sexual reward learning: Psychophysiological and computational evidence. *Biological Psychology*, 198, 109046.
- (31) Huthsteiner, K., **Finke, J. B.**, Peters, E. M., Kleinke, K., Klucken, T., & Stalder, T. (2025). What is the best sampling region for *endocrine* hair analysis? A comparison between the posterior vertex and occipital region and recommendation for standardization. *Psychoneuroendocrinology*, 177, 107457.

2024

- (30) Drost, L., **Finke, J.B.**, Bachmann, P., Schächinger, H. (2024). Cold pressor effects on cardiac repolarization. *Stress*, 27(1), 2352626.

2023

- (29) Hildebrand, A.S., Breuer, F., Leehr, E. J., **Finke, J.B.**, Bucher, L., Klucken, T., ... & Roesmann, K. (2023). Inhibitory control and its modification in spider phobia–study protocol for an antisaccade training trial, *PLOS one*, 18(12), e0292471.
- (28) Hoffmann, J.M., Schulz, A., **Finke, J.B.**, Lauterbach, M., Schächinger, H., Vögele, C., & Spaderna, H. (2023). Fear of physical activity relates to cardiac interoception and symptom distress in patients with chronic heart failure. *Mental Health and Physical Activity*, 25, 100553.
- (27) Exner, A., Kampa, M., **Finke, J.B.**, Stalder, T., Klapperich, H., Hassenzahl, M., Kleinke, K., Klucken, T. (2023). Repressive and vigilant coping styles in stress and relaxation: Evidence for

differential baseline, but not for differential stress or relaxation responses in physiology and subjective ratings. *Frontiers in Psychology*, 14, 1196481.

- (26) **Finke, J. B.**, Opdensteinen, K. D., Klucken, T., & Schächinger, H. (2023). Close (d) to you? Avoidant attachment is associated with attenuated pupil responsivity to social stimuli. *International Journal of Psychophysiology*, 192, 26-34.
- (25) Drost, L., **Finke, J. B.**, Behrje, A., Rebeck, D., Domes, G., Schächinger, H. (2023). Optimal timing of oral metyrapone intake for the suppression of cold-pressor stress-induced cortisol release. *Psychoneuroendocrinology*, 156, 106328.
- (24) Planert, J., Klucken, T., **Finke, J. B.**, Paulus, P. C., Fischer, J. E., Gao, W., & Stalder, T. (2023). Associations between hair cortisol and subjective stress measures in a large occupational sample. *Psychoneuroendocrinology*, 152, 106086.
- (23) **Finke, J.B.**, Stalder, T., Klucken, T. (2023). Pupil dilation tracks divergent learning mechanisms in aware versus unaware Pavlovian conditioning. *Psychophysiology*, 60(8), e14288.
- (22) **Finke, J.B.**, Hahn, S., Schächinger, H., & Klucken, T. (2023). Increased pupil and heart-rate responses to sexual stimuli in men after physical exertion. *Psychophysiology*, 60(7), e14254.

2022

- (21) Stalder, T., Lupien, S. J., Kudielka, B. M., Adam, E. K., Pruessner, J. C., Wüst, S., ... **Finke, J.B.**, Klucken, T. & Clow, A. (2022). Evaluation and update of the expert consensus guidelines for the assessment of the cortisol awakening response (CAR). *Psychoneuroendocrinology*, 146, 105946.
- (20) Kampa, M., **Finke, J.B.**, Stalder, T., Bucher, L., Klapperich, H., Mertl, F., ... & Klucken, T. (2022). Facilitating relaxation and stress reduction in healthy participants through a virtual reality intervention: study protocol for a non-inferiority randomized controlled trial. *Trials*, 23(1), 1-12.
- (19) Larra, M.F., Zhang, X., **Finke, J.B.**, Schächinger, H., Wascher, E., Arnau, S. (2022). Stress effects on the top-down control of visuospatial attention: Evidence from cue-dependent alpha oscillations. *Cognitive, Affective & Behavioral Neuroscience*, 22(4), 722-735.
- (18) Drost, L., **Finke, J.B.**, Port, J., Schächinger, H. (2022). Comparison of TWA and PEP as indices of α 2- and β -adrenergic activation. *Psychopharmacology*, 239(7), 2277-2288.
- (17) **Finke, J.B.**, Behrje, A., Heßlenberg, E., Klucken, T., Schächinger, H. (2022). Stressed in afterthought: Neuroendocrine effects of social self-threat during physical effort are counteracted by performance feedback after stress exposure. *Psychoneuroendocrinology* 139, 105703.

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- (16) **Finke, J.B.**, Roesmann, K., Stalder, T., Klucken, T. (2021). Pupil dilation as an index of Pavlovian conditioning. A systematic review and meta-analysis, *Neuroscience & Biobehavioral Reviews*, 130, 351-368.
- (15) **Finke, J.B.***, Zhang, X.*, Plein, D., Schilling, T.M., Schächinger, H., Larra, M.F. (2021). Combining mental and physical stress: synergy or interference?. *Physiology & Behavior*,

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* shared first authorship

2020

- (14) **Finke, J.B.**, Schächinger, H. (2020). Central sympathetic nervous system effects on cognitive-motor performance. Results from a placebo-controlled pharmacological study. *Experimental Psychology*, 67, 77-87.
- (13) Hoffmann, J.M., **Finke, J.B.**, Schächinger, H., Schulz, A., Vögele, C., Spaderna, H. (2020). Modulation of Startle and Heart Rate Responses by Fear of Physical Activity in Patients with Heart Failure and in Healthy Adults. *Physiology & Behavior*, 113044.
- (12) Larra, M. F., **Finke, J.B.**, Wascher, E., & Schächinger, H. (2020). Disentangling sensorimotor and cognitive cardioafferent effects: A cardiac-cycle-time study on spatial stimulus-response compatibility. *Scientific Reports*, 10(1), 1-10.

2019

- (11) Bachmann, P., **Finke, J.B.**, Rebeck, D., Zhang, X., Larra, M.F., Koch, K.P., Turner, J.D., Schächinger, H (2019). Test-retest reproducibility of a combined physical and cognitive stressor. *Biological Psychology*, 148, 107729.

2018

- (10) Deuter, C.E., Nowacki, J., Wingenfeld, K., Köhl, L.K., **Finke, J.B.**, Dziobek, I., Otte, C. (2018). The role of physiological arousal for self-reported emotional empathy. *Autonomic Neuroscience*, 214, 9-14.
- (9) **Finke, J.B.**, Behrje, A., Schächinger, H. (2018). Acute stress enhances pupillary responses to erotic nudes: evidence for differential effects of sympathetic activation and cortisol. *Biological Psychology*, 137, 73-82.
- (8) **Finke, J.B.**, Kalinowski, G.I., Larra, M.F., Schächinger, H. (2018). The socially evaluated handgrip test: Introduction of a novel, time-efficient stress protocol. *Psychoneuroendocrinology*, 87, 141-146.
- (7) **Finke, J.B.**, Zhang, X., Best, D.R., Lass-Hennemann, J., Schächinger, H. (2018). Self-resemblance modulates processing of socio-emotional pictures in a context-sensitive manner: evidence from startle modification and heart rate deceleration. *Journal of Psychophysiology*, 33, 127-138.
- (6) Hengesch, X., Elwenspoek, M.M., Schaan, V.K., Larra, M.F., **Finke, J.B.**, Zhang, X., Bachmann, P., Turner, J.D., Vögele, C., Müller, C.P., Schächinger, H. (2018). Blunted endocrine response to a combined physical-cognitive stressor in adults with early life adversity. *Child Abuse & Neglect*, 85, 137-144.

2017

- (5) **Finke, J.B.**, Deuter, C.E., Hengesch, X., Schächinger, H. (2017). The time course of pupil dilation evoked by visual sexual stimuli: exploring the underlying ANS mechanisms. *Psychophysiology*, 54(10), 1444-58.

- (4) **Finke, J.B.**, Larra, M.F., Merz, U., Schächinger, H. (2017). Startling similarity: effects of facial self-resemblance and familiarity on the processing of emotional faces. *PLoS one*, 12(12), e0189028.
- (3) Hengesch, X., Larra, M.F., **Finke, J.B.**, Blumenthal, T.D., Schächinger, H. (2017). Enhanced startle reflexivity during presentation of visual nurture cues in young adults who experienced parental divorce in early childhood. *International Journal of Psychophysiology*, 120, 78-85.
- (2) Larra, M.F., Behrje, A., **Finke, J.B.**, Blumenthal, T.D., Schächinger, H. (2017). Filling the gap: evidence for a spatial differentiation in trace eyeblink conditioning. *Neuroscience Letters*, 654, 33-37.

2015

- (1) **Finke, J.B.**, Larra, M.F., Schilling, T., Lass-Hennemann, J., Blumenthal, T.D., Schächinger, H. (2015). Startle eye-blink modulation by facial self-resemblance and current mood. *International Journal of Psychophysiology*, 96(3), 162-168.

Book chapter:

Schächinger, H., **Finke, J.B.** (2020). Psychophysiologie/Autonomes Nervensystem. In Egle, U., Heim, C., Strauß, B., von Känel, R. (Eds.), *Psychosomatik - neurobiologisch fundiert und evidenzbasiert: Ein Lehr- und Handbuch* (pp. 93-104). Stuttgart: Kohlhammer.

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