

SCHRIFTENVERZEICHNIS

I. Originalarbeiten (peer-reviewed)

1. Ross, W., Agnoli, S., Baas, M., **Danek, A.H.**, et al. (im Druck). Creative cognition: A collaborative research agenda. *The Journal of Creative Behavior*.
2. Campos, D. G., Koskinen, A., Munkácsy, B., Rolfe, V., Patsis, P., Tóth, E., Olsen, R. V., Scherer, R., Söldner, L., **Danek, A.H.**, Greiff, S., & Vainikainen, M.-P. (2025). Educational inequalities in europe: A scoping review of longitudinal studies in K-12 education. *Studies in Educational Evaluation*, 87, 101523. [PDF](#)
3. Wiley, J. & **Danek, A.H.** (2024). Restructuring processes and Aha! experiences in insight problem solving. *Nature Reviews Psychology*, 3, 42-55. [PDF](#)
4. Graf, M., **Danek, A.H.**, Vaci, N. & Bilalić, M. (2023). Tracing cognitive processes in insight problem solving: Using GAMs and change point analysis to uncover restructuring. *Journal of Intelligence*, 11:86. [PDF](#)
5. Bilalić, M., Graf, M., Vaci, N., & **Danek, A.H.** (2021). The temporal dynamics of insight problem solving – restructuring might not always be sudden. *Thinking & Reasoning*, 27(1), 1-37. [PDF](#)
6. Rummel J., Iwan, F., Steindorf, L., & **Danek, A.H.** (2021). The role of attention for insight problem solving: Effects of mindless and mindful incubation periods. *Journal of Cognitive Psychology*, 33 (6-7), 757-769. [PDF](#)
7. **Danek, A.H.** & Kizilirmak, J.M. (2021). Editorial: The whole is more than the sum of its parts – addressing insight problem solving concurrently from a cognitive and an affective perspective. *Journal of Cognitive Psychology*, 33(6-7), 609–615. [PDF](#)
8. Gilhooly, K., & **Danek, A.H.** (2021). Roger L. Dominowski (1939-2020): His contribution to the study of insightful problem solving. *Journal of Cognitive Psychology*, 33(6–7), 616–619. [PDF](#)
9. **Danek, A.H.** & Wiley, J. (2020). What causes the insight memory advantage? *Cognition*, 205, 104411. [PDF](#)
10. **Danek, A.H.**, Williams, J., & Wiley, J. (2020). Closing the gap: connecting sudden representational change to the subjective Aha! experience in insightful problem solving. *Psychological Research*, 84, 111-119. [PDF](#)
11. **Danek, A.H.** & Salvi, C. (2020). Moment of truth: Why Aha! experiences are correct. *The Journal of Creative Behavior*, 54, 484-486. [PDF](#)
12. Pétervári, J. & **Danek, A.H.** (2020). Problem solving of magic tricks: guiding to and through an impasse with solution cues. *Thinking & Reasoning*, 26(4), 502-533. [PDF](#)
13. Bilalić, M., Graf, M., Vaci, N., & **Danek, A.H.** (2019). When the solution is on the doorstep: Better solving performance, but diminished Aha! experience for chess experts on the mutilated checkerboard problem. *Cognitive Science*, 43(8): e12771. [PDF](#)
14. **Danek, A.H.** & Flanagan, V.L. (2019). Cognitive conflict and restructuring: The neural basis of two core components of insight. *AIMS Neuroscience*, 6(2), 60-84. [PDF](#)

15. Fine, P.A., **Danek, A.H.**, Friedlander, K.J., Hocking, I., & Thompson, W.F. (2019). Editorial: Novel approaches for studying creativity in problem-solving and artistic performance. *Frontiers in Psychology*, 10:2059. [PDF](#)
16. Schönauer, M., Brodt, S., Pöhlchen, D., Breßmer, A., **Danek, A.H.**, & Gais, S. (2018). Sleep does not promote solving classical insight problems and magic tricks. *Frontiers in Human Neuroscience*, 12:72. [PDF](#)
17. **Danek, A.H.** & Wiley, J. (2017). What about false insights? Deconstructing the Aha! experience along its multiple dimensions for correct and incorrect solutions separately. *Frontiers in Psychology*, 7:2077. [PDF](#)
18. **Danek, A.H.**, Wiley, J., & Öllinger, M. (2016). Solving classical insight problems without Aha! experience: 9 Dot, 8 Coin, and Matchstick Arithmetic Problems. *The Journal of Problem Solving*, 9(1), 47-57. [PDF](#)
19. **Danek, A.H.**, Öllinger, M., Fraps, T., Grothe, B., & Flanagan, V.L. (2015). An fMRI investigation of expectation violation in magic tricks. *Frontiers in Psychology*, 6:84. [PDF](#)
20. **Danek, A.H.**, Fraps, T., von Müller, A., Grothe, B., & Öllinger, M. (2014). It's a kind of magic – what self-reports can reveal about the phenomenology of insight problem solving. *Frontiers in Psychology*, 5:1408. [PDF](#)
21. **Danek, A.H.**, Fraps, T., von Müller, A., Grothe, B., & Öllinger, M. (2014). Working Wonders? Investigating insight with magic tricks. *Cognition*, 130(2), 174-185. [PDF](#)
22. **Danek, A.H.**, Gade, M., Lunardelli, A., & Rumiati, R.I. (2013). Tomato and Tuna - A test for language-free assessment of action understanding. *Cognitive and Behavioral Neurology*, 26(4), 208-217. [PDF](#)
23. **Danek, A.H.**, Fraps, T., von Müller, A., Grothe, B., & Öllinger, M. (2013). Aha! experiences leave a mark: facilitated recall of insight solutions. *Psychological Research*, 77(5), 659-669. [PDF](#)
24. Öllinger, M., Jones, G., **Faber, A.H.**, & Knoblich, G. (2013). Cognitive mechanisms of insight: The role of heuristics and representational change in solving the eight-coin problem. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, 39(3), 931-939. [PDF](#)

II. Buchkapitel

25. **Danek, A.H.**, & Greiff, S. (2025). Messung der beruflichen Problemlösekompetenz—Kommentar zu Schwerpunkt 2. In S. Velten, S. Abele, J. Seifried, & J. Warwas (Hrsg.), *Berufliche Kompetenzen erfassen und fördern—Impulse und Innovationen aus der Initiative ASCOT+* (pp. 145–152). wbv.
26. **Danek, A.H.** (2025). Implicit learning across isoproblems in the Tower of London puzzle is impaired in patients with Parkinson's disease. In A.N. Wendt, D.V. Holt, & L. von Stockhausen (Hrsg.), *Komplexität und Problemlösen. Festschrift für Joachim Funke zum 70. Geburtstag* (pp. 157–179). Heidelberg University Publishing.
27. **Danek, A.H.** & Wiley, J. (2024). The insight memory advantage. In C. Salvi, J. Wiley, & S. M. Smith (Hrsg.), *The emergence of insight* (pp. 199–220). Cambridge University Press.

28. **Danek, A.H.** (2024). The phenomenology of insight: The Aha! experience. In L. J. Ball & F. Vallée-Tourangeau (Hrsg.), *Routledge International Handbook of Creative Cognition* (pp. 308–331). Routledge.
29. Laue, R., **Danek, A.H.** (2023). An experiment on the impact of TRIZ-inspired thinking on solving insight problems. In: D. Cavallucci, P. Livotov & S. Brad (Hrsg.), *Towards AI-aided invention and innovation. TFC 2023*. (pp. 417–425). Springer.
30. **Danek, A.H.** (2018). Magic tricks, sudden restructuring and the Aha! experience: A new model of non-monotonic problem solving. In F. Vallée-Tourangeau (Hrsg.), *Insight: On the origins of new ideas*. (pp. 51–78). Routledge.
31. Pétervári, J., **Danek, A.H.**, & Flanagan, V. L. (2015). Wayfinding and restructuring in a novel city: An insight problem solving task. In D. C. Noelle, R. Dale, A. S. Warlaumont, J. Yoshimi, T. Matlock, C. D. Jennings, & P. P. Maglio (Hrsg.), *Proceedings of the 37th Annual Meeting of the Cognitive Science Society*. (pp. 1871–1876). Cognitive Science Society.