






## Publications Alexander Strobel


November 22 | \* shared first-authorship | in ambiguous cases: underlined author name = Alexander Strobel

### Articles in Peer-Review Journals




2022/in press

1. Armbruster, D. & Strobel, A. (2022). The heart as judge: Association of heart rate variability with moral judgment—A replication study. *Biological Psychology*, 169, 108284.
-  2. Bolenz, F., Profitt, M., Stechbarth, F., Eppinger, B., & Strobel, A. (2022). Need for cognition does not account for individual differences in metacontrol of decision making. *Scientific Reports*, 12, 8240.
3. Gärtner, A., Jawinski, P., & Strobel, A. (2022). Individual differences in inhibitory control are not related to downregulation of negative emotion via distancing. *Emotion*. Advance online publication.
-  4. Paul, K., Short, C. A., Beauducel, A., Carsten, H. P., Härpfer, K., Hennig, J., Hewig, J., Hildebrandt, A., Kührt, C., Mueller, E. M., Osinsky, R., Porth, E., Riesel, A., Rodrigues, J., Scheffel, C., Stahl, J., Strobel, A. & Wacker, J. (2022). The methodology and dataset of the Coscience EEG-Personality Project – a large-scale, multi-laboratory project grounded in cooperative forking paths analysis. *Personality Science*, 3, 1-26.
-    5. Zerna, J., Engelmann, N., Strobel, A., & Strobel, A. (2022). Need for Cognition and burnout in teachers - A replication and extension study. *Health Psychology Open*, 9(2).



2021

6. Armbruster, D., Kirschbaum, C. & Strobel, A. (2021). Androgenic morality? Associations of sex, oral contraceptive use and basal testosterone levels with moral decision making. *Behavioural Brain Research*, 408, 113196.
-   7. Diers, K., Dörfel, D., Gärtner, A., Schönfeld, S., Walter, H., Strobel, A., Brocke, B. (2021). Should we keep some distance from distancing? Regulatory and post-regulatory effects of emotion downregulation. *PLoS ONE*, 16(9), e0255800.
-   8. Gärtner, A.\*, Grass, J.\*, Wolff, M., Goschke, T., Strobel, A., Strobel, A. (2021). No relation of Need for Cognition to basic executive functions. *Journal of Personality*, 89, 1113-1125.
-   9. Gärtner, A., & Strobel A. (2021). Individual differences in inhibitory control: A latent variable analysis. *Journal of Cognition*, 4(1), 17.
-   10. Kührt, C., Pannasch, S., Kiebel, S. J. & Strobel, A. (2021). Dispositional individual differences in cognitive effort investment: Establishing the core construct. *BMC Psychology*, 9, 10.
-  11. Pauligk, S., Seidel, M., Fürtjes, S., King, J. A., Geisler, D., Hellerhoff, I., Roessner, V., Schmidt, U., Goschke, T., Walter, H., Strobel, A. & Ehrlich, S. (2021). The costs of over-control in anorexia nervosa: evidence from fMRI and ecological momentary assessment. *Translational Psychiatry*, 11, 304.
12. Rentzsch, K., Strobel, A. & Strobel, A. (2021). TBS-DTK-Rezension: »Persönlichkeits-Stil- und Störungs-Inventar«. *Report Psychologie*, 46(11–12), 23–25.
-    13. Scheffel, C., Graupner, S., Gärtner, A., Zerna, J., Strobel, A., & Dörfel, D. (2021). Effort beats effectiveness in emotion regulation choice: Differences between suppression and distancing in subjective and physiological measures. *Psychophysiology*, 58(11), e13908.
-    14. Strobel, A.\*, Farkas, A.\*, Hoyer, J., Melicherova, U., Köllner, V. & Strobel, A. (2021). Cognitive motivation as a resource for affective adjustment and mental health. *Frontiers in Psychology*, 12, 581681.
-    15. Zerna, J., Strobel, A. & Scheffel, C. (2021). EEG microstate analysis of emotion regulation reveals no sequential processing of valence and emotional arousal. *Scientific Reports*, 11, 21277.





## 2020

16. Armbruster, D., Brocke, B., Kirschbaum, C., Witt, S., Lesch, K.-P., Strobel, A. (2020). Rhythm and Blues: Influence of CLOCK T3111C on peripheral electrophysiological indicators of negative affective processing. *Physiology & Behavior*, 219, 112831.
-  17. Cuevas Rivera, D., Strobel, A., Goschke, T., Kiebel, S. J. (2020). Modeling dynamic allocation of effort in a sequential task using discounting models. *Frontiers in Neuroscience*, 14, 242.
-  18. Ott, F., Markovic, D., Strobel, A., & Kiebel, S. J. (2020). Dynamic integration of forward planning and heuristic preferences during multiple goal pursuit. *PLoS Computational Biology*, 16(2), e1007685.
-  19. Strobel, A.\*, Wieder, G., Paulus, P. C., Ott, F., Pannasch, S., Kiebel, S. J., & Kührt, C.\* (2020). Dispositional cognitive effort investment and behavioral demand avoidance: Are they related? *PLoS ONE*, 15(10): e0239817.


## 2019

20. Gärtner, A., Dörfel, D., Diers, K., Witt, S. H., Strobel, A., Brocke, B. (2019). Impact of FAAH genetic variation on fronto-amygdala function during emotional processing. *European Archives of Psychiatry and Clinical Neuroscience*, 269(2), 209–221.
-  21. Grass, J., Krieger, F., Paulus, P., Greiff, S., Strobel, A. & Strobel, A. (2019). Thinking in action: Need for Cognition predicts Self-Control together with Action Orientation. *PLoS One*, 14(8), e0220282.
-  22. Scheffel, C., Diers, K., Schönfeld, S., Brocke, B., Strobel, A. & Dörfel, D. (2019). Cognitive emotion regulation and personality: an analysis of individual differences in the neural and behavioral correlates of successful reappraisal. *Personality Neuroscience*, 2(e11), 1-13.
23. Strobel, A.\*, Behnke, A.\*, Gärtner, A. & Strobel, A. (2019). The interplay of intelligence and Need for Cognition in predicting school grades: A retrospective study. *Personality and Individual Differences*, 144, 147-152.

## 2018

24. Armbruster, D., Grage, T., Kirschbaum, C. & Strobel, A. (2018). Processing emotions: Effects of menstrual cycle phase and premenstrual symptoms on the startle reflex, facial EMG and heart rate. *Behavioural Brain Research*, 351, 178-187.
-  25. Cuevas Rivera, D., Ott, F., Marković, D., Strobel, A., Kiebel, S. J. (2018). Context-dependent risk aversion: a model-based approach. *Frontiers in Psychology*, 9, 2053.
26. Gärtner, A., Strobel, A., Reif, A., Lesch, K.-P. & Enge, S. (2018). Genetic variation in serotonin function impacts on altruistic punishment in the ultimatum game: A longitudinal approach. *Brain and Cognition*, 30, 37-44.
27. Sach, M.\*, Enge, S.\*, Strobel, A. & Fleischhauer, M. (2018). MPQ Control versus impulsivity and Need for Cognition - relationship to behavioral inhibition and corresponding ERPs in a Go/No-Go task. *Personality and Individual Differences*, 121, 200-205.
-  28. Seidel, M., King, J. A., Ritschel, F., Boehm, I., Geisler, D., Bernardoni, F., Beck, M., Pauligk, S., Biemann, R., Strobel, A., Goschke, T., Walter, H., Roessner, V. & Ehrlich, S. (2018). Processing and regulation of negative emotions in anorexia nervosa: An fMRI study. *NeuroImage: Clinical*, 18, 1-8.
-  29. Seidel, M., King, J. A., Ritschel, F., Boehm, I., Geisler, D., Bernardoni, F., Holzapfel, L., Diestel, S., Diers, K., Strobel, A., Goschke, T., Walter, H., Roessner, V. & Ehrlich, S. (2018). The real-life costs of emotion regulation in anorexia nervosa: a combined ecological momentary assessment and fMRI study. *Translational Psychiatry*, 8, 28.
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-  31. Strobel, A., Strobel, A., Enge, S., Fleischhauer, M., Reif, A., Lesch, K.-P. & Anacker, A. (2018). Intellectual investment, dopaminergic gene variation, and life events: A critical examination. *Personality Neuroscience*, 1, e3.

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32. Armbruster, D., Brocke, B., Strobel, A. (2017). Winter is coming: Seasonality and the acoustic startle reflex. *Physiology & Behavior*, 169, 178–183.
33. Armbruster, D., Kirschbaum, C. & Strobel, A. (2017). The not-so-bitter pill: effects of combined oral contraceptives on peripheral physiological indicators of emotional reactivity. *Hormones and Behavior*, 94, 97–105.
-  34. Enge, S., Mothes, H., Fleischhauer, M., Reif, A. & Strobel, A. (2017). Genetic variation of dopamine and serotonin function modulates the feedback-related negativity during altruistic punishment. *Scientific Reports*, 7, 2996.
-  35. Grass, J., Strobel, A. & Strobel, A. (2017). Cognitive investments in academic success: The role of Need for Cognition at university. *Frontiers in Psychology*, 8, 790.
-  36. Strobel, A., Anacker, K. & Strobel, A. (2017). Cognitive engagement mediates the relationship between positive life events and positive emotionality. *Frontiers in Psychology*, 8, 1861.
37. Strobel, A., Grass, J., Pohling, R. & Strobel, A. (2017). Need for Cognition as a moral capacity. *Personality and Individual Differences*, 117, 42–51.


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38. Armbruster, D., Mueller-Alcazar, A., Strobel, A., Lesch, K.-P., Kirschbaum, C. & Brocke, B. (2016). BDNF val66met genotype shows distinct associations with the acoustic startle reflex and the cortisol stress response in young adults and children. *Psychoneuroendocrinology*, 66, 39–46.
-  39. Enge, S., Fleischhauer, M., Gärtner, A., Reif, A., Lesch, K.-P., Kliegel, M. & Strobel, A. (2016). Brain-derived neurotrophic factor (Val66Met) and serotonin transporter (5-HTTLPR) polymorphisms modulate plasticity in inhibitory control performance over time but independent of inhibitory control training. *Frontiers in Human Neuroscience*, 10, 370.
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41. Strobel, A. & Strobel, A. (2016). Freude am Denken: Grundlagen und Anwendungsperspektiven des Need for Cognition. *Report Psychologie*, 41, 298–307.

## 2015


42. Fleischhauer, M., Strobel, A. & Strobel, A. (2015). Directly and indirectly assessed need for cognition differentially predict spontaneous and reflective information processing behavior. *Journal of Individual Differences*, 36, 101–109.
43. Strobel, A., Fleischhauer, M., Enge, S. & Strobel, A. (2015). Explicit and implicit need for cognition and bottom-up/top-down attention allocation. *Journal of Research in Personality*, 55, 10–13.

## 2014

44. Armbruster, D., Strobel, A., Kirschbaum, C. & Brocke, B. (2014). The impact of sex and menstrual cycle on the acoustic startle response. *Behavioural Brain Research*, 274, 326–333.
45. Armbruster, D., Suchert, V., Gärtner, A. & Strobel, A. (2014). Threatening shapes: the impact of simple geometric configurations on peripheral physiological markers. *Physiology & Behavior*, 135, 215–221.
-  46. Buruck, G., Wendsche, J., Melzer, M., Strobel, A. & Dörfel, D. (2014). Acute psychosocial stress and emotion regulation skills modulate empathic reactions to pain in others. *Frontiers in Psychology*, 5, 517.

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52. Anacker, K., Enge, S., Reif, A., Lesch, K.-P. & Strobel, A. (2013). Dopamine D4 receptor gene variation impacts self-reported altruism. *Molecular Psychiatry*, 18, 402-403.
53. Bräuer, D.\*, Görgens, H.\*, Einsle, F., Zimmermann, K., Noack, B., von Kannen, S., Hoyer, J., Strobel, A., Weidner, K., Jatzwauk, M., Ziegler, A., Hemmelmann, C., Köllner, V. & Schackert, H. K. (2013). Analysis of Stathmin gene variation in patients with panic disorder and agoraphobia. *Psychiatric Genetics*, 23, 43-44.
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-  55. Fleischhauer, M., Enge, S., Miller, R., Strobel, A., & Strobel, A. (2013). Neuroticism explains unwanted variance in Implicit Association Tests of personality: Possible evidence for an affective valence confound. *Frontiers in Psychology*, 4, 672.

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### 2011

57. Armbruster, A., Mueller, A., Strobel, A., Lesch, K.-P., Kirschbaum, C. & Brocke, B. (2011). Variation in genes involved in dopamine clearance influence the startle response in older adults. *Journal of Neural Transmission*, 118, 1281-1292.
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#### 2010

62. Armbruster, D., Müller, A., Strobel, A., Kirschbaum, C., Lesch, K.-P. & Brocke, B. (2010). Influence of functional tryptophan hydroxylase 2 gene variation and sex on the startle response in children, young adults, and older adults. *Biological Psychology*, 83, 214-221.
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## Book Chapters

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