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Publication List (updated in Dec 2020)

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**Current H-index:** 50 (based on Web of Knowledge); 63 (based on Google Scholar)

### **Refereed Journal Articles**

**In press**

- Chen, H.-Y., Dix, A., Goh, J. O. S., Smolka, M., Thurm, F., & Li, S.-C. (in press). Effects and mechanisms of information saliency in enhancing value-based decision-making in younger and older adults. *Neurobiology of Aging*.
- Baeuchl, C., Kroemer, N., Pooseh, S., Petzold, J., Bitzer, B., Thurm, F., Li, S.-C., & Smolka, M. (in press). Reward modulates the association between sensory noise and brain activity during perceptual decision making. *Neuropsychologia*.
- Friederike, T., Dobroskok, A., Backhaus, M., Li, S.-C., Grittner, U., Antonenko, D., Agnes, F. (in press). Cognitive training and brain stimulation in prodromal Alzheimer's disease (AD-Stim) – Study Protocol for a Double Blind Randomized Controlled Phase IIb (Monocenter) Trial. Alzheimer's Research & Therapy.

**2020**

- Thurm, F., Li, S.-C., & Hämmerer, D. (2020). Maturation- and aging-related differences in electrophysiological correlates of error detection and error awareness. *Neuropsychologia*, 143, 1-10.
- Zink, N., Kang, K.Y.L., Li, S.-C., & Beste, C. (2020). Anodal transcranial direct current stimulation (atDCS) enhances the efficiency of functional brain network communication during auditory attentional control. *Journal of Neurophysiology*, 124, 207-217.
- Chiao, J. Y., Li, S.-C., Turner, T., & Lee-Tauler, S. Y. (2020). Cultural neuroscience and the research domain criteria: implications for global mental health. *Neuroscience and Biobehavioral Reviews*, 116, 109-119.
- Koch, C., Li, S.-C., Polk, T., & Schuck, N. W. (2020). Effects of aging on encoding walking direction in the human brain. *Neuropsychologia*, 141, 10379.
- Dix, A. & Li, S.-C. (2020). Incentive motivation improves numerosity discrimination: Insights from pupillometry combined with drift-diffusion modelling. *Scientific Reports*, 10:2068, 1-11.
- Ilg, L., Kirschbaum, C., Li, S.-C., Wimberger, P., Nitsche, K., Rosenlöcher, F., & Alexander, N. (in press). No association of antenatal synthetic glucocorticoid exposure and hair steroid levels in children and adolescents. *The Journal of Clinical Endocrinology & Metabolism*, 105(1).

**2019**

- Li, S.-C., Dilcher, R., & Muenchau, A. (2019). Developmental trajectories of sensorimotor and cognitive control in Gilles de la Tourette Syndrome. *Zeitschrift für Neuropsychologie*, 30, 231-237.
- Ilg, L., Kirschbaum, C., Li, S.-C., Rosenlöcher, F., Miller, R. & Alexander, N. (2019). Persistent effects of antenatal synthetic glucocorticoids on endocrine stress reactivity from childhood to adolescence. *The Journal of Clinical Endocrinology & Metabolism*, 104(3), 827-834.
- Antonenko, D., Thams, F., Urich, J., Dix, A., Thurm, F., Li, S.-C., Grittner, U. & Flöel, A. (2019). Effects of a multi-session cognitive training combined with brain stimulation (TrainStim) on age-associated cognitive decline – study protocol for a randomized controlled Phase IIb (monocenter) trial. *Frontiers in Aging Neuroscience*, 11, Article 200, 1-12.

- Hilliard, D., Passow, S., Thurm, F., Schuck, N. W., Garthe, A., Kempermann, G., & Li, S.-C. (2019). Noisy galvanic vestibular stimulation modulates spatial memory in young health adults. *Scientific Report*, 9: 9310.
- Adelhoefer, N., Gohil, K., Passow, S., Beste, C. & Li, S.-C. (2019). Lateral prefrontal anodal transcranial direct current stimulation augments resolution of auditory perceptual-attentional conflicts. *NeuroImage*, 199, 217-227.
- Dahl, M., Ilg, L., Li, S.-C., Passow, S., & Werkle-Bergner, M. (2019). Diminished pre-stimulus alpha-lateralization suggests compromised self-initiated attentional control of auditory processing in old age. *NeuroImage*, 197, 412-424.
- Baeuchl, C., Chen, H.-Y., Su, Y.-S., Hämmerer, D., Klados, M. A., & Li, S.-C. (2019). Interactive effects of dopamine transporter genotype and aging on resting-state functional networks. *PLOS ONE* 14(5): e0215849.
- Reiter, A., Susuki, S., O'Doherty, J., Li, S.-C., & Eppinger, B. (2019). Risk contagion by peers affects learning and decision-making in adolescents. *Journal of Experimental Psychology: General*, 148, 1494-1504.

### 2018

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- Thurm, F., Zink, N., & Li, S.-C. (2018). Comparing effects of reward anticipation on working memory in younger and older adults. *Frontiers in Psychology*, 9, Article 231, 1-16.
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- Wittkuhn, L. W., Eppinger, B., Bartsch, L. M., Thurm, F., Kord, F. M., Li, S.-C. (2018). Repetitive Transcranial Magnetic Stimulation Over Dorsolateral Prefrontal Cortex Modulates Value-Based Learning During Sequential Decision-Making. *NeuroImage*, 167, 384-395.
- Schuck, N. W., Petok, J. R., Meeter, M., Schjeide, B.-M. M., Schröder, J., Bertram, L., Gluck, M. A. & Li, S.-C. (2018). Aging and a genetic KIBRA polymorphism interactively affect feedback-and observation-based probabilistic classification learning. *Neurobiology of Aging*, 61, 36-43

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- Eppinger, B., Walter, M. & Li, S.-C. (2017). Electrophysiological correlates reflect the integration 8. model-based and model-free decision information. *Cognitive, Affective & Behavioral Neuroscience*. [Epub ahead DOI 10.3758/s13415-016-0487-3]
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- Buritica, J. M. R., Eppinger, B., Schuck, N. W., Heekeren, H. R. & Li, S.-C. (2016). Electrophysiological correlates of observational learning in children. *Developmental Science*, 19, 699-709.

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