

Publications

A peer reviewed publication for SpiSOP is in preparation, but you can use the SciCrunch tool identifier “SpiSOP, RRID:SCR_015673” in your publication already.

Please keep me updated (spisop@spisop.org) if you use, used or plan to use SpiSOP in any upcoming publications.

It would be nice to receive your feedback to list them here. Thanks.

Publications that utilized SpiSOP

1. Klinzing J. G., Mölle M., Weber F. D., Supp G., Hipp J. F., Engel A. K., Born J. (2016). Spindle activity phase-locked to sleep slow oscillations. *NeuroImage*, 134, 607-616. doi: 10.1016/j.neuroimage.2016.04.031, [Pupmed 27103135].
2. Zinke K., Wilhelm I., Bayramoglu M., Klein S., Born J. (2016). Children's initial sleep-associated changes in motor skill are unrelated to long-term skill levels. *Developmental Science*. Oct 16 [Epub ahead of print]. doi: 10.1111/desc.12463, [Pupmed 27747974].
3. Pereira S. I. R., Beijamini F., Weber F. D., Vincenzi R. A., da Silva F. A. C., Louzada F. M. (2016). Tactile stimulation during sleep alters slow oscillation and spindle densities but not motor skill. *Physiology & Behavior*, 169, 59-68, doi: 10.1016/j.physbeh.2016.11.024, [Pupmed 27887994].
4. Lecci S., Fernandez L. M. J., Weber F. D., Cardis R., Chatton J-Y., Born J., Lüthi A. (2017). Coordinated infraslow neural and cardiac oscillations mark fragility and offline periods in mammalian sleep. *Science*

Advances, 3(2),
e1602026, doi: 10.1126/sciadv.1602026, PDF, [Pupmed
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5. Wang J-Y., Weber F.D., Zinke K., Inostroza M., Born J. (2017). More Effective Consolidation of Episodic Long-Term Memory in Children Than Adults—Unrelated to Sleep. *Child Development*, Jun 8 [Epub ahead of print], doi: 10.1111/cdev.12839, [Pupmed 28594100].
6. Wang, J-Y., Weber, F.D., Zinke K., Noack H., Born J. (2017). Effects of sleep on word-pair memory in children – separating item and source memory aspects. *Frontiers in Psychology*, 8, 1533, doi: 10.3389/fpsyg.2017.01533, [Pupmed 28943858].
7. Hanert A., Weber F. D., Pedersen A., Born, J., Bartsch, T. (2017). Sleep in humans stabilizes pattern separation performance. *Journal of Neuroscience*, 37(50), 12238-12246, doi: 10.1523/JNEUROSCI.1189-17.2017, [Pupmed 29118106].
8. Klinzing J. G., Kugler S., Soekadar S. R., Rasch B., Born J., Diekelmann S. (2018). Odor cueing during slow-wave sleep benefits memory independently of low cholinergic tone. *Psychopharmacology*, 1-9, doi: 10.1007/s00213-017-4768-5
9. Rudzik F., Thiesse L., Pieren R., Wunderli J. M., Brink M., Foraster M., Héritier H., Eze I. C., Garbazza C., Vienneau D., Probst-Hensch N., Rösli M., Cajochen C. (2018) Sleep spindle characteristics and arousability from night-time transportation noise exposure in healthy young and older individuals. *Sleep*, zsy077, doi: 10.1093/sleep/zsy077
10. Thürer B., Weber F. D., Jan Born J., Stein T. (2018). Variable training but not sleep improves consolidation of motor adaptation *bioRxiv* 259671, doi: 10.1101/259671 or *Scientific Reports* 8(1), 15977 doi: 10.1038/s41598-018-34225-w
11. Spanò G, Weber F.D., Pizzamiglio G., McCormick C., Miller T.D., Rosenthal C.R., Edgin J.O., Maguire E.A.

- (2020). Sleeping with Hippocampal Damage. *Current Biology* (2020), doi: 10.1016/j.cub.2019.11.072
12. Cha K. S., Kim T. J., Jun J. S., Byun J. I., Sunwoo J. S., Shin, J. W., Kim K.H., Lee S.K., Jung, K. Y. (2020). Impaired slow oscillation, sleep spindle, and slow oscillation- spindle coordination in patients with idiopathic restless legs syndrome. *Sleep Medicine*, 66, 139-147. doi: 10.1016/j.sleep.2019.09.021
 13. Gott, J., Bovy, L., Peters, E., Tzioridou, S., Meo, S., Demirel, Ç., ... & Dresler, M. (2021). Virtual reality training of lucid dreaming. *Philosophical Transactions of the Royal Society B*, 376(1817), 20190697. <https://doi.org/10.1098/rstb.2019.0697>
 14. Cross, Z. R., Santamaria, A., Corcoran, A. W., Chatburn, A., Alday, P. M., Coussens, S., & Kohler, M. J. (2020). Individual alpha frequency modulates sleep-related emotional memory consolidation. *Neuropsychologia*, 148, 107660. <https://doi.org/10.1016/j.neuropsychologia.2020.107660>
 15. Gott, J., Rak, M., Bovy, L., Peters, E., van Hooijdonk, C. F., Mangiaruga, A., ... & Dresler, M. (2020). Sleep fragmentation and lucid dreaming. *Consciousness and Cognition*, 84, 102988. <https://doi.org/10.1016/j.concog.2020.102988>
 16. Zinke, K., Lehnert, V., Fritsche, A., Preissl, H., Hallschmid, M. (2020). Pregnant women do not display impaired memory formation across one night of sleep. *Journal of Sleep Research*, e13204. doi: 10.1111/jsr.13204
 17. Cecilia, F., Klinzing, J. G., Carbone, J., Radloff, M., Weber, F. D., Born, J., & Susanne, D. (2020). Reactivation during sleep with incomplete reminder cues rather than complete ones stabilizes long-term memory in humans. *Communications Biology*, 3(1). doi: 10.1038/s42003-020-01457-4
 18. Kurz, E. M., Conzelmann, A., Barth, G. M., Renner, T. J., Zinke, K., & Born, J. (2020). How Do Children with

Autism Spectrum Disorder Form Gist Memory During Sleep?—A Study of Slow Oscillation-Spindle Coupling. *Sleep*. <https://doi.org/10.1093/sleep/zsaa290>

Just Cited:

1. Combrisson E., Vallat R., Eichenlaub J. B., O'Reilly C., Lajnef T., Guillot A., Ruby P. M., Jerbi K. (2017). Sleep: An Open-Source Python Software for Visualization, Analysis, and Staging of Sleep Data. *Frontiers in neuroinformatics*, *11*, 60, doi: 10.3389/fninf.2017.00060
2. Zhang, G. Q., Cui, L., Mueller, R., Tao, S., Kim, M., Rueschman, M., Mariani, S., Mobley, D., Redline, S. (2018). The National Sleep Research Resource: towards a sleep data commons. *Journal of the American Medical Informatics Association*, *25(10)*, 1351–1358 , doi: 10.1093/jamia/ocy064
3. Danilenko, K. V., Kobelev, E., Yarosh, S. V., Khazankin, G. R., Brack, I. V., Miroshnikova, P. V., & Aftanas, L. I. (2020). Effectiveness of Visual vs. Acoustic Closed-Loop Stimulation on EEG Power Density during NREM Sleep in Humans. *Clocks & Sleep*, *2(2)*, 172-181. doi: 10.3390/clockssleep2020014
4. Muehlroth, B. E., & Werkle-Bergner, M. (2020). Understanding the interplay of sleep and aging: Methodological challenges. *Psychophysiology*, *57(3)*, e13523. <https://doi.org/10.1111/psyp.13523>