

List of Publications

Professor Dr. Jan Born

20. April 2017

Original papers: 411	Impact Factor 2015: 2043,010
Book chapters, Reviews, Comments: 163	<u>Impact Factor 2015</u> 549,596
Abstracts not listed	2592,606

Original papers

2017

- [1] Barner C, Seibold M, Born J, Diekelmann S (2017) Consolidation of Prospective Memory: Effects of Sleep on Completed and Reinstated Intentions. *Front Psychol* 7:2025. doi: 10.3389/fpsyg.2016.02025. **2,885**
- [2] Besedovsky L, Schmidt EM, Linz B, Diekelmann S, Lange T, Born J (2017) Signs of enhanced sleep and sleep-associated memory processing following the anti-inflammatory antibiotic minocycline in men. *J Psychopharmacol* 31:204-10. **3,637**
- [3] Buch ER, Santarnecchi E, Antal A, Born J, Celnik PA, Classen J, Gerloff C, Hallett M, Hummel FC, Nitsche MA, Pascual-Leone A, Paulus WJ, Reis J, Robertson EM, Rothwell JC, Sandrini M, Schambra HM, Wassermann EM, Ziemann U, Cohen LG (2017) Effects of tDCS on motor learning and memory formation: A consensus and critical position paper. *Clin Neurophysiol* 128: 589-603. **3,426**
- [4] Döhring J, Stoldt A, Witt K, Schönfeld R, Deuschl G, Born J, Bartsch T (2017) Motor skill learning and offline-changes in TGA patients with acute hippocampal CA1 lesions. *Cortex* 89: 156-168. **4,754**
- [5] Feld GB, Born J (2017) Sculpting memory during sleep: concurrent consolidation and forgetting. *Curr Opin Neurobiol* 44: 20-7. **6,373**
- [6] Korf EM, Mölle M, Born J, Ngo HV (2017) Blindfolding during wakefulness causes decrease in sleep slow wave activity. *Physiol Rep* doi: 10.14814/phy2.13239
- [7] Lecci S, Fernandez LM, Weber FD, Cardis R, Chatton JY, Born J, Lüthi A (2017) Coordinated infraslow neural and cardiac oscillations mark fragility and offline periods in mammalian sleep. *Sci Adv*: 3(2):e1602026. [Epub ahead of print] **0,000**
- [8] Lutz ND, Diekelmann S, Hinse-Stern P, Born J, Rauss K (2017) Sleep Supports the Slow Abstraction of Gist from Visual Perceptual Memories. *Sci Rep* 7: 42950. doi: 10.1038/srep42950. **5,525**
- [9] Noack H, Schick W, Mallot H, Born J (2017) Sleep enhances knowledge of routes and regions in spatial environments. *Learn Mem* 24: 140-4. **3,439**
- [10] Sawangjit A, Kelemen E, Born J, Inostroza M (2017) Sleep Enhances Recognition Memory for Conspecifics as Bound into Spatial Context. *Front Behav Neurosci* 11:28, doi: 10.3389/fnbeh.2017.00028. **3,392**
- [11] Thienel M, Wilhelm I, Benedict C, Born J, Hallschmid M (2017) Intranasal insulin decreases circulating cortisol concentrations during early sleep in elderly humans. *Neurobiol Aging* doi: 10.1016/j.neurobiolaging.2017.03.006. [Epub ahead of print]

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- [12] Besedovsky L, Dimitrov S, Born J, Lange T (2016) Nocturnal sleep uniformly reduces blood numbers of different T-cell subsets in healthy men. *Am J Physiol Regul Integr Comp Physiol*: ajpregu.00149.2016. doi: 10.1152/ajpregu.00149.2016. [Epub ahead of print] **3,168**
- [13] Chander BS, Witkowski M, Braun C, Robinson SE, Born J, Cohen LG, Birbaumer N, Soekadar SR (2016) tACS Phase Locking of Frontal Midline Theta Oscillations Disrupts Working Memory Performance. *Front Cell Neurosci* 10:120. doi: 10.3389/fncel.2016.00120. **4,609**
- [14] Costa MS, Born J, Claussen JC, Martinetz T (2016) Modeling the effect of sleep regulation on a neural mass model. *J Comput Neurosci* 41: 15-28. **1,871**
- [15] Diekelmann S, Born J, Rasch B (2016) Increasing explicit sequence knowledge by odor cueing during sleep in men but not women. *Front Behav Neurosci* 10:74. doi: 10.3389/fnbeh.2016.00074. **3,392**
- [16] Feld GB, Weis PP, Born J (2016) The Limited Capacity of Sleep-Dependent Memory Consolidation. *Front Psychol* 13:1368. **2,885**
- [17] Feld GB, Wilhelm I, Benedict C, Rüdell B, Klameth C, Born J, Hallschmid M (2016) Central nervous insulin signaling in sleep-associated memory formation and neuroendocrine regulation. *Neuropsychopharmacology* 41:1540-50. **6,399**
- [18] Klinzing JG, Mölle M, Weber F, Supp G, Hipp JF, Engel AK, Born J (2016) Spindle activity phase-locked to sleep slow oscillations. *Neuroimage* 134:607-16. **5,463**
- [19] Klinzing JG, Rasch B, Born J, Diekelmann S (2016) Sleep's role in the reconsolidation of declarative memories. *Neurobiol Learn Mem* 136:166-173. **3,439**
- [20] Niethard N, Hasegawa M, Itokazu T, Oyanedel CN, Born J, Sato TR (2016) Sleep-Stage-Specific Regulation of Cortical Excitation and Inhibition. *Curr Biol* 26:2739-49. **8,983**
- [21] Pavlov YG, Schaepers B, Mueller F, Born J, Kotchoubey B (2016) Do patients in the vegetative state sleep? *Brain Injury* 30: 785. **1,822**
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- [24] 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. *Dev Sci* doi: 10.1111/desc.12463. [Epub ahead of print]. **3,982**

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- [26] Friedrich M, Wilhelm I, **Born J**, Friederici AD (2015) Generalization of word meanings during infant sleep. *Nat Commun* 6:6004. **11,329**
- [27] Groch S, Zinke K, Wilhelm I, **Born J** (2015) Dissociating the contributions of slow-wave sleep and rapid eye movement sleep to emotional item and source memory. *Neurobiol Learn Mem* 122: 122-130. **3,439**
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- [29] Nettersheim A, Hallschmid M, **Born J**, Diekelmann S (2015) The role of sleep in motor sequence consolidation: Stabilization rather than enhancement. *J Neurosci* 35: 6696-6702. **5,924**
- [30] Ngo H-V V, Miedema A, Faude I, Martinetz T, Mölle M, **Born J** (2015) Driving Sleep Slow Oscillations by Auditory Closed-Loop Stimulation-A Self-Limiting Process. *J Neurosci* 35: 6630-6638. **5,924**
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- [32] Oyanedel CN, Kelemen E, Scheller J, **Born J**, Rose-John S (2015) Peripheral and central blockade of interleukin-6 trans-signaling differentially affects sleep architecture. *Brain Behav Immun* 50:178-185. **5,574**
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