

List of Publications
Joachim Hermsdörfer

Original Articles

- 1 Gulde, P., & Hermsdörfer, J. (2017). Both hands at work: the effect of aging on upper-limb kinematics in a multi-step activity of daily living. *Experimental Brain Research*, 1-12. doi: 10.1007/s00221-017-4897-4
- 2 John, L., Küper, M., Hulst, T., Timmann, D., & Hermsdörfer, J. (2017). Effects of transcranial direct current stimulation on grip force control in patients with cerebellar degeneration. *Cerebellum & Ataxias*, 4(1), 15. doi: 10.1186/s40673-017-0072-8
- 3 Allgöwer, K., & Hermsdörfer, J. (2017). Fine motor skills predict performance in the Jebsen Taylor Hand Function Test after stroke. *Clinical Neurophysiology*, 128(10), 1858-1871. doi: 10.1016/j.clinph.2017.07.408
- 4 Gutierrez-Herrera, M., Saevarsson, S., Huber, T., Hermsdörfer, J., & Stadler, W. (2017). Repetitive TMS in right sensorimotor areas affects the selection and completion of contralateral movements. *Cortex*, 90, 46-57. doi: <http://doi.org/10.1016/j.cortex.2017.02.009>
- 5 Gulde, P., Hughes, C. M. L., & Hermsdörfer, J. (2017). Effects of stroke on ipsilesional end-effector kinematics in a multi-step activity of daily living. *Frontiers in Human Neuroscience*, 11(42). doi: 10.3389/fnhum.2017.00042
- 6 Amouzandeh, A., Grossbach, M., Hermsdörfer, J., & Altenmüller, E. (2017). Pathophysiology of writer's cramp: an exploratory study on task-specificity and non-motor symptoms using an extended fine-motor testing battery. *Journal of Clinical Movement Disorders*, 4(1), 13. doi: 10.1186/s40734-017-0060-4
- 7 Kaulmann, D., Hermsdörfer, J., & Johannsen, L. (2017). Disruption of right Posterior Parietal Cortex by cTBS alters the control of body balance in quiet stance. *Eur J Neurosci*. doi: 10.1111/ejn.13522
- 8 Martin, M., Hermsdörfer, J., Bohlhalter, S., & Weiss, P. H. (2017). [Networks involved in motor cognition : Physiology and pathophysiology of apraxia]. *Nervenarzt*. doi: 10.1007/s00115-017-0370-7
- 9 Allgöwer, K., Kern, C., & Hermsdörfer, J. (2017). Predictive and reactive grip force responses to rapid load increases in people with multiple sclerosis. *Arch Phys Med Rehabil*, 98(3), 525-533. doi: 10.1016/j.apmr.2016.08.465
- 10 Brei, C., Stecher, L., Brunner, S., Ensenaer, R., Heinen, F., Wagner, P. D., Hauner, H. (2017). Impact of the n-6:n-3 long-chain PUFA ratio during pregnancy and lactation on offspring neurodevelopment: 5-year follow-up of a randomized controlled trial. *Eur J Clin Nutr*. doi: 10.1038/ejcn.2017.79
- 11 Salazar-López, E., Schwaiger, B. J., & Hermsdörfer, J. (2016). Lesion correlates of impairments in actual tool use following unilateral brain damage. *Neuropsychologia*, 84, 167-180. doi: 10.1016/j.neuropsychologia.2016.02.007
- 12 Knorr, A. G., Willacker, L., Hermsdörfer, J., Glasauer, S., & Krüger, M. (2016). Influence of Person- and Situation-Specific Characteristics on Collision Avoidance Behavior in Human Locomotion. *J Exp Psychol Hum Percept Perform*. doi: 10.1037/xhp0000223
- 13 Hofmann, A., Grossbach, M., Baur, V., Hermsdörfer, J., & Altenmüller, E. (2015). Musician's dystonia is highly task specific: No strong evidence for everyday fine motor deficits in patients. *Medical Problems of Performing Artists*, 30(1), 38.

- 14 Bienkiewicz, M., Brandi, M. L., Hughes, C., Voitl, A., & Hermsdörfer, J. (2015). The complex relationship between neuropsychological deficits and impairment in everyday tasks after stroke. *Brain and Behavior*, accepted.
- 15 Solbach, K., Mumm, M., Brandauer, B., Kronenbürger, M., Hermsdörfer, J., & Timmann, D. (2015). Prehension Kinematics, Grasping Forces, and Independent Finger Control in Mildly Affected Patients with Essential Tremor. *Cerebellum*. doi: 10.1007/s12311-015-0717-1
- 16 Imbach, L. L., Baumann-Vogel, H., Baumann, C. R., Sürücü, O., Hermsdörfer, J., & Sarnthein, J. (2015). Adaptive grip force is modulated by subthalamic beta activity in Parkinson's disease patients. *NeuroImage: Clinical*, 9, 450-457. doi: <http://dx.doi.org/10.1016/j.nicl.2015.09.010>
- 17 Vry, M. S., Tritschler, L. C., Hamzei, F., Rijntjes, M., Kaller, C. P., Hoeren, M., . . . Weiller, C. (2015). The ventral fiber pathway for pantomime of object use. *NeuroImage*, 106, 252-263. doi: 10.1016/j.neuroimage.2014.11.002
- 18 Johannsen, L., Hirschauer, F., Stadler, W., & Hermsdörfer, J. (2015). Disruption of contralateral inferior parietal cortex by 1Hz repetitive TMS modulates body sway following unpredictable removal of sway-related fingertip feedback. *Neurosci Lett*, 586, 13-18. doi: 10.1016/j.neulet.2014.11.048
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- 23 Hölzle, P., Hermsdörfer, J., & Vetter, C. (2014). The effects of shift work and time of day on fine motor control during handwriting. *Ergonomics*, 57(10), 1488-1498. doi: 10.1080/00140139.2014.935746
- 24 Hölzle, P., Tatarau, C., & Hermsdörfer, J. (2014). Visually Guided Tracking on a Handheld Device: Can It Be Used to Measure Visuomotor Skill in Shift Workers? *Human Factors: The Journal of the Human Factors and Ergonomics Society*, 56(7), 1296-1306. doi: 10.1177/0018720814528005
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- 32 Nowak, D. A., Timmann, D., & Hermsdörfer, J. (2013). Deficits of grasping in cerebellar disorders. *Handbook of the cerebellum and cerebellar disorders*.
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