Publikationen

Zoller, R., Lange, K., Nowak, M., Lauer, W. (2019) Alles gleichzeitig und trotzdem gut? (Teil 2). intensiv 27(03), 127-131.

Zoller, R., Lange, K., Nowak, M., Lauer, W. (2019) Alles gleichzeitig und trotzdem gut? (Teil 1). intensiv 27(02), 77-79.

Lange K., Janß A., Manjili S.F., Nowak M., Lauer W., Radermacher K. (2019) Users' Awareness of Alarm Settings. In: Bagnara S., Tartaglia R., Albolino S., Alexander T., Fujita Y. (eds) Proceedings of the 20th Congress of the International Ergonomics Association (IEA 2018). IEA 2018. Advances in Intelligent Systems and Computing, vol 818. Springer, Cham

Lange K, Brinker A, Nowak M, Zöllner C & Lauer W (2018). Patientengefährdung durch Gerätediversität? Diskussion eines Risikofaktors anhand der Ergebnisse zweier Befragungen an deutschen Kliniken. Anaesthesist, 67, 496–503.

Lange, K., Nowak, M., Neudörfl, C., & Lauer, W. (2017). Probleme beim Verstehen von Gerätealarmen – Hinweise aus Vorkommnismeldungen. Zeitschrift für Evidenz, Fortbildung und Qualität im Gesundheitswesen, 125, 14-22.

Lange, K., Nowak, M., Zoller, R., Lauer, W. (2016). Boundary conditions for safe detection of clinical alarms: An observational study to identify the cognitive and perceptual demands on an Intensive Care Unit. In D. de Waard, K.A. Brookhuis, A. Toffetti, A. Stuiver, C. Weikert, D. Coelho, D. Manzey, A.B. Ünal, S. Röttger, and N. Merat (Eds.) (2016). Proceedings of the Human Factors and Ergonomics Society Europe Chapter 2015 Annual Conference. ISSN 2333-4959 (online). Available from http://hfes-europe.org

Lange, K., Nowak, M., Lauer, W., & Broich, K. (2016). Anwendungssicherheit von Medizinprodukten: Menschliche Fehler im Fokus des BfArM. Gesundheitsökonomie & Qualitätsmanagement, 21 (02). 81-90.

Lange, K., Nowak, M., & Lauer, W. (2016). A human factors perspective on medical device alarms: problems with operating alarming devices and responding to device alarms. Biomedical Engineering/Biomedizinische Technik. doi: 10.1515/bmt-2014-0068

Schaal, N.K., Krause, V., Lange, K., Banissy, M. J., Williamson, V. J., Pollok, B. (2015). Pitch Memory in Nonmusicians and Musicians: Revealing Functional Differences Using Transcranial Direct Current Stimulation. Cerebral Cortex, 25 (9), 2774-2782.

Schaal, N. K., Banissy, M. J., & Lange, K. (2015). The Rhythm Span Task: Comparing Memory Capacity for Musical Rhythms in Musicians and Non-Musicians. Journal of New Music Research, 44 (1), 3-10.

Lange, K. & Schnuerch, R. (2014). Challenging perceptual tasks require more attention: The influence of task difficulty on the N1 effect of temporal orienting. Brain and Cognition, 84, 153–163.

Schnuerch, R., Kreitz, C., Heil, M., & Lange, K. (2014). The Change-Deafness Phenomenon in Harmonic Chords. Swiss Journal of Psychology, 73, 143-152.

Schnuerch, R., Kreitz, C., & Lange, K. (2013). Independent effects of temporal expectation and stimulus intensity in audition. Attention, Perception, & Psychophysics, 75, 1520-1532.

Lange, K. (2013). The ups and downs of temporal orienting: a review of auditory temporal orienting studies and a model associating the heterogeneous findings on the auditory N1 with opposite effects of attention and prediction. Frontiers in Human Neuroscience, 7(263).

Lange, K. & Czernochowski, D. (2013). Does this sound familiar? Effects of timbre change on episodic retrieval of novel melodies. Acta Psychologica, 143, 136-145.

Lange, K. (2012). The N1 effect of temporal attention is independent of sound location and intensity: Implications for possible mechanisms of temporal attention. Psychophysiology, 49, 1636-1648.

Lange, K. (2012). The temporal orienting P3-effect to non-target stimuli: Does it reflect motor inhibition? Biological Psychology, 89, 433-443.

Lampar, A. L., & Lange, K. (2011). Temporal cuing enhances early auditory processing: An event-related potential study. Attention, Perception & Psychophysics, 73, 1916-1933.

Lange, K. (2011). The reduced N1 to self-generated tones: An effect of temporal predictability? Psychophysiology, 48, 1088-1095.

Lange, K. (2010). Can a regular context induce temporal orienting to a target sound? International Journal of Psychophysiology, 78, 231-238.

Lange, K., & Röder, B. (2010). Temporal orienting in audition, touch, and across modalities. In A. C. Nobre & J. T. Coull (Eds.), Attention and Time (pp. 393-405). Oxford: Oxford University Press.

Lange, K. (2009). Brain correlates of early auditory processing are attenuated by expectations for time and pitch. Brain and Cognition, 69, 127-137.

Orgs, G. A., Lange, K., Dombrowski, J. H., & Heil, M. (2008). N400-effects to task-irrelevant environmental sounds: Further evidence for obligatory conceptual processing. Neuroscience Letters, 436, 133-137.

Lange, K., & Heil, M. (2008). Temporal attention in the processing of short melodies: Evidence from event-related potentials. Musicae Scientiae, 12, 27-48.
Röder, B., Krämer, U. M., & Lange, K. (2007). Congenitally blind humans use different stimulus selection strategies in hearing: An ERP study of spatial and temporal attention. Restorative Neurology and Neuroscience, 25, 311 - 322.

Putzar, L., Goerendt, I., Lange, K., Rösler, F., & Röder, B. (2007). Early visual deprivation impairs multisensory interactions in humans. Nature Neuroscience, 10, 1243 - 1245.

Orgs, G. A., Lange, K., Dombrowski, J. H., & Heil, M. (2007). Is conceptual priming for environmental sounds obligatory? International Journal of Psychophysiology, 65, 162-166.

Orgs, G. A., Lange, K., Dombrowski, J. H., & Heil, M. (2006). Conceptual Priming for environmental sounds and words: An ERP study. Brain and Cognition, 62, 267-272.

Lange, K., & Röder, B. (2006). Orienting attention to points in time improves stimulus processing both within and across modalities. Journal of Cognitive Neuroscience, 18, 715-729.

Lange, K., Krämer, U. M., & Röder, B. (2006). Attending Points in Time and Space. Experimental Brain Research, 173, 130-140.

Gondan, M., Lange, K., Rösler, F., & Röder, B. (2004). The redundant target effect is affected by modality switch costs. Psychonomic Bulletin & Review, 11, 307-313.

Lange, K., Rösler, F., & Röder, B. (2003). Early processing stages are modulated when auditory stimuli are presented at an attended moment in time: An Event-related potential study. Psychophysiology, 40, 806-817.