**Article (peer-reviewed)**

- C Basar-Eroglu, C Schmiedt-Fehr & **B Mathes** (2012). Auditory evoked alpha oscillations imply reduced anterior and increased posterior amplitudes in schizophrenia, *Clinical Neurophysiology*, in press
- **B Mathes** & M Fahle (2007). The electrophysiological correlate of contour integration is similar for colour and luminance mechanisms, *Psychophysiology*, 44,305-22

**Abstracts (peer-reviewed)**


- C Schmiedt-Fehr, **B Mathes** & C Basar-Eroglu (2011). Age-related increases in within-person variability: Delta and theta oscillations indicate that the elderly are not always old, Abstract book of the joint meeting of ECNS/ISBET/ISNIP, Heidelberg, 7.-10.09.2011, p.125

- C Basar-Eroglu, **B Mathes**, A. Brand & C Schmiedt-Fehr (2011). Occipital gamma response to auditory stimulation in patients with schizophrenia, Abstract book of the conference on "Brain oscillations in cognitive impairment and neurotransmitters", Istanbul, Turkey, 29.4.-01.05.2011


- S Groß, C Schmiedt-Fehr, **B Mathes** & C Basar-Eroglu (2010). Ambiguous perception in elderly investigated by event-related delta-oscillations. Zeitschrift für Neuropsychiologie, im Druck


- C Basar-Eroglu, C Schmiedt-Fehr, A Brand, J Zimmermann, **B Mathes** & E Hoff (2007). The contribution of EEG-Oscillations for the understanding of psychiatric disorders. *Nervenarzt*, 78(Suppl.2), 253-254


**Book chapter**