

Paper in peer reviewed journals (no supplements)

(for citable poster and talk abstracts, please consult: [Research Gate](#), [Web of Science](#), or the like)

ORCID 0000-0002-8532-2986

WoS ID AAA-2892-2021

AUTH: "Markus Junghoefer" OR AUTH: "Markus Junghofer"

2023

- Roesmann K, Leehr EJ, Böhnlein J, Hermann MJ, Junghöfer M, Schwarzmeier H, Seeger F, Siminski N, Straube T, Dannlowski U, Lueken U (2023) Mechanisms of action underlying virtual reality exposure treatment in spider phobia: pivotal role of within-session fear reduction. *Journal of Anxiety Disorders* 100, 102790
- Ligeza T, Vens MJ., Bluemer T & Junghofer M (2023) Acute aerobic exercise benefits allocation of neural resources related to selective attention. *Nature Scientific Reports*, 13:8624, doi:10.1038/s41598-023-35534-5
- Kroker T, Wyczesany M, Rehbein M, Roesmann K, Wessing I, Wiegand A, Bölte J & Junghöfer M (2023) Excitatory stimulation of the ventromedial prefrontal cortex reduces cognitive gambling biases via improved feedback learning. *Nature Scientific Reports*, 13:17984, doi.org/10.1038/s41598-023-43264-x
- Chavanne AV, Meinke Ch, Langhammer T, Roesmann K, Boehnlein J, Gathmann B, Herrmann MJ, Junghoefer M, Klahn L, Schwarzmeier H, Seeger FR, Siminski N, Straube T, Dannlowski U, Lueken U, Leehr EJ, Hilbert K , (2023) Individual-Level Prediction of Exposure Therapy Outcome Using Structural and Functional MRI Data in Spider Phobia: A Machine-Learning Study", *Depression and Anxiety*, Article ID 8594273, doi.org/10.1155/2023/8594273
- Kroker T, Rehbein MA, Wyczesany M, Bölte J, Roesmann K., Wessing I. & Junghöfer M (2023) Higher-order comparative reward processing is affected by noninvasive stimulation of the ventromedial prefrontal cortex. *Journal of Neuroscience Research*. doi: 10.1002/jnr.25248
- Rehbein MA, Kroker T, Winker C, Ziehfrend L, Reschke A, Bölte J, Wyczesany M, Roesmann K, Wessing I & Junghöfer M (2023) Noninvasive stimulation reveals ventromedial prefrontal cortex function in reward prediction and reward processing. *Frontiers in Neuroscience* doi: 10.3389/fnins.2023.1219029
- Dobel C & Junghöfer M (2023) Tinnitus im Wechselspiel zwischen Emotion und Kognition, *HNO* 71 (10), 648-655

- Dobel C, Junghöfer M, Mazurek B, Paraskevopoulos E, Groß J (2023) Tinnitus und multimodale kortikale Interaktion. *Laryngo-Rhino-Otologie*; 102 (13) doi: 10.1055/a-1959-302
- Sabatinelli D, Winker C, Farkas AH, Rehbein M & Junghöfer M (2023) A 5-minute paradigm to evoke robust emotional reactivity in neuroimaging studies. *Frontiers in Neuroscience, Vol. 17* <https://doi.org/10.3389/fnins.2023.1102213>
- Lam CLM, Wong CHY, Roesmann K, Junghoefer M, Lee TMC (2023) Implicit threat learning involves the dorsolateral prefrontal cortex and the cerebellum. *Int J Clin Health Psychol.* 23(2):100357.doi: 10.1016/j.ijchp.2022.100357
- Gross J, Junghöfer M, Wolters W (2023) Bioelectromagnetism in human brain research: New applications, new questions. *The Neuroscientist.* 29(1):62-77, doi: 10.1177/10738584211054742
- Ligeza T, Maciejczyk M., Wyczesany M & Junghofer M (2023) The effects of a single aerobic exercise session on mood and emotional reactivity in depressed and healthy young adults: a late positive potential study. *Psychophysiology*, 60(1):e14137 doi: 10.1111/psyp.14137

2022

- Kroker T, Wyczesany M, Rehbein M, Roesmann K, Wessing I & Junghöfer M. (2022) Noninvasive stimulation of the ventromedial prefrontal cortex increases rationality of human decision-making in a financial gambling paradigm. *Nature Scientific Reports*, 12(1):20213. doi: 10.1038/s41598-022-24526-6
- Roesmann K, Wessing I, Krass S, Straube T, Klucken T, Leehr EJ & Junghöfer M (2022) Developmental aspects of fear generalization – an MEG study on neurocognitive correlates in adolescents versus adults. 7(2) (221-230) doi:10.1016/j.dcn.2022.101169
- Roesmann K, Toelle J, Leehr EJ, Wessing I, Böhnlein J, Seeger F, Schwarzmeier H, Siminski N, Herrmann MJ, Dannlowski U, Lueken U, Klucken T, Straube T & Junghöfer M (2022) Neural correlates of fear conditioning are associated with treatment-outcomes to behavioral exposure in spider phobia - evidence from magnetoencephalography. *NeuroImage Clinical*, 35:103046. doi: 10.1016/j.nicl.2022.103046
- Roesmann K, Leehr EJ, Böhnlein J, Steinberg C, Seeger F, Schwarzmeier H, Gathmann B, Siminski N, Herrmann MJ, Dannlowski U, Lueken U, Klucken T, Straube T & Junghöfer M (2022) Behavioral and Magnetoencephalographic Correlates of Fear Generalization are associated with responses to later Virtual Reality Exposure Therapy in Spider Phobia, *Biological Psychiatry-CNNI*; 7(2) (221-230) doi: 10.1016/j.bpsc.2021.07.006
- Roesmann K & Kroker T, Hein S, Rehbein M, Winker C, Leehr EJ, Klucken T & Junghöfer M (2022) Transcranial direct current stimulation of the vmPFC modulates perceptual discrimination and neural correlates of fear generalization. *Biological Psychiatry-CNNI.* 7(2):221-230. doi: 10.1016/j.bpsc.2021.08.001

Ronconi L, Melcher D, Junghöfer M, Wolters J & Busch NA (2022) Testing the effect of tACS over parietal cortex in modulating endogenous alpha rhythm and temporal integration windows in visual perception. *European Journal of Neuroscience*. 55(11-12):3438-3450 doi: 10.1111/ejn.15017

Romero-Frausto H, Roesmann K, Klinkenberg I, Rehbein M, Föcker M, Romer G, Junghöfer M & Wessing I (2022) Increased early motivational response to food in adolescent anorexia nervosa revealed by magnetoencephalography. *Psychological Medicine* doi: 10.1017/S003329172100088X

2021

Böhnlein J, Lehr E, Roesmann K, Sapelt T, Platte O, Grotegerd D, Sindermann L, Repple J, Opel N, Meinert S, Lemke H, Borgers T, Dohm K, Enneking V, Goltermann J, Waltemate L, Hülsmann C, Thiel K, Winter N, Bauer J, Lueken U, Straube Th, Junghöfer M, & Dannlowski U (2021) Neural processing of emotional facial stimuli in specific phobia: an fMRI study. *Depression and Anxiety* doi.org/10.1002/da.23191

Lehr E, Roesmann K, Böhnlein J, Dannlowski U, Gathmann E, Herrmann MJ, Junghöfer M, Schwarzmeier H, Seeger FR, Siminski N, Straube Th, Lueken U & Hilbert K (2021) Clinical predictors of treatment response towards exposure therapy in virtuo in spider phobia: A machine learning and external cross-validation approach. *Journal of Anxiety Disorders*. 83:102448. doi.org/10.1016/j.janxdis.2021.102448

Siminski N, Borgmann L, Becker MPI, Hofmann D, Gathmann B, Lehr E, Böhnlein J, Seeger F, Schwarzmeier H, Roesmann K, Junghöfer M, Dannlowski U, Lueken U, Straube T & Herrmann M, (2021) Centromedial amygdala is more relevant for phobic confrontation relative to the bed nucleus of stria terminalis in patients with spider phobia. *Journal of Psychiatric Research* 143:268-275. doi: 10.1016/j.jpsychires.2021.09.003

Dobel C, Algermissen E , Thielker J , Geißler K , Volk GF , Klingner C , Witte OW , Junghöfer M , Guntinas-Lichius O (2020) Ratings of Emotional Expressions in Static and Dynamic Facial Recordings Before and After Upper Face Botulinum Injections - An Observational Prospective Study. *Aesthetic Surgery Journal* doi: 10.1093/asj/sjaa393

2020

Ligeza TS, Maciejczyk M, Wyczesany M, Wagner H, Roesmann K & Junghöfer M (2020) Acute aerobic exercise enhances pleasant compared to unpleasant visual scene processing. *Brain and Cognition* 143:105595 doi:10.1016/j.bandc.2020.105595

Bublitzky F, Kavcıoğlu F, Guerra P, Doll S & Junghöfer M (2020) Contextual information resolves uncertainty about ambiguous facial emotions: Behavioral and magnetoencephalographic correlates. *NeuroImage*; 215:116814. doi: 10.1016/j.neuroimage.2020.116814.

Schwarzmeier H, Lehr E, Böhnlein J, Seeger F, Roesmann K, Gathmann B, Herrmann M, Siminski N, Junghöfer M, Straube T, Grotegerd D & Dannlowski U (2020) Theranostic markers for personalized therapy

of spider phobia: Methods of a bicentric external cross-validation machine learning approach. *International Journal of Methods in Psychiatric Research*. doi: 10.1002/mpr.1812

Winker C & Rehbein MA, Sabatinelli D & Junghöfer M (2020) Repeated noninvasive stimulation of the ventromedial prefrontal cortex reveals cumulative amplification of pleasant compared to unpleasant scene processing: A single subject pilot study. *PLoS ONE* 15(1): e0222057

Roesmann K, Wiens N, Winker C, Rehbein MA, Wessing I & Junghöfer M (2020) Fear generalization of implicit conditioned facial features – Behavioral and magnetoencephalographic correlates, *NeuroImage*, 205:116302. doi: 10.1016/j.neuroimage.2019.116302

2019

Winker C, Rehbein MA, Sabatinelli D, Dohn M, Maitzen J, Roesmann, Arolt V, Wolters C & Junghöfer M (2019) Noninvasive stimulation of the ventromedial prefrontal cortex indicates valence ambiguity in sad compared to happy and fearful face processing. *Frontiers in Behavioral Neuroscience*, doi: 10.3389/fnbeh.2019.00083

Roesmann K, Dellert T, Junghöfer M, Kissler J, Zwitzerlood P, Zwanzger P & Dobel C (2019) The casual role of prefrontal asymmetry in bottom-up processing of valence – insights from a combined cTBS-MEG study. *NeuroImage*, 191:367-379. doi: 10.1016/j.neuroimage.2019.01.05

Alexopoulos J, Steinberg C, Liebergesell-Kilian N, Höffkes B, Döring S & Junghöfer M (2019) Biased emotional attention in patients with dental phobia. *European Journal of Neuroscience* 49(2):290-302. doi: 10.1111/ejn.1429

2018

Keuper K, Terrighena EL, Chan CCH, Junghöfer M, Lee TMC (2018) How the Dorsolateral Prefrontal Cortex Controls Affective Processing in Absence of Visual Awareness – Insights from a Combined EEG-rTMS Study. *Frontiers in Human Neuroscience*, 12:412. doi: 10.3389/fnhum.2018.00412

Rehbein MA, Pastor MC, Moltó J, Poy R, Penadés RL & Junghöfer M (2018) Identity and expression processing during classical conditioning with faces. *Psychophysiology*. 55(10):e13203. doi: 10.1111/psyp.13203

Winker C, Rehbein MA, Sabatinelli D, Dohn M, Maitzen J, Wolters C, Arolt V & Junghöfer M (2018) Noninvasive stimulation of the ventromedial prefrontal cortex modulates emotional face processing, *NeuroImage*, 175:388-401. doi.org/10.1016/j.neuroimage.2018.03.067

Notzon S, Steinberg C, Zwanzger P & Junghöfer M (2018) Modulating Emotion Perception: Opposing Effects of Inhibitory and Excitatory Prefrontal Cortex Stimulation. *Biological Psychiatry- Cognitive Neuroscience and Neuroimaging* 3(4):329-336. doi.org/10.1016/j.bpsc.2017.12.007

Lau P, Wollbrink A, Wunderlich R, Engell A, Stein A, Junghöfer M & Pantev C (2018) Targeting heterogeneous findings in neuronal oscillations in tinnitus: Analyzing MEG novices and mental health comorbidities. *Frontiers in Psychology*. 2;9:235. doi: 10.3389/fpsyg.2018.00235

2017

Schlossmacher I, Junghöfer M, Straube T & Bruchmann M (2017) No differential effects to facial expressions under continuous flash suppression: an event-related potentials study. *NeuroImage*, 163:276-28. doi: 10.1016/j.neuroimage.2017.09.034

Junghöfer M & Winker C, Rehbein MA & Sabatinelli D (2017) Noninvasive stimulation of the medial prefrontal cortex enhances pleasant scene processing. *Cerebral Cortex* 27(6):3449-3456 doi: 10.1093/cercor/bhx073

Klahn AL, Klinkenberg I, Lueken U, Notzon S, Arolt V, Pantev C, Zwanzger P & Junghöfer M (2017) Commonalities and differences in the neural substrates of threat predictability in panic disorder and specific phobia. *NeuroImage: Clinical* 14:530-537 doi: 10.1016/j.nicl.2017.02.013

Junghöfer M, Rehbein MA, Maitzen J, Schindler S & Kissler J (2017) An evil face? - Verbal evaluative Multi-CS conditioning enhances face-evoked mid-latency magnetoencephalographic responses. *Social Cognitive and Affective Neuroscience*, 12(4), 695-705 doi: 10.1093/scan/nsw179

Wessing I, Romer G & Junghöfer M (2017) Hypervigilance-Avoidance in Children with Anxiety Disorders: Magnetoencephalographic Evidence. *Journal of Child Psychology and Psychiatry* 58(1):103-112

2016

Klinkenberg AG, Rehbein MA, Steinberg C, Klahn AL, Zwanzger P, Zwitterlood P & Junghöfer M (2016) Healthy individuals maintain adaptive stimulus evaluation under predictable and unpredictable threat. *NeuroImage*; 136:174-85

Klahn AL, Klinkenberg AG, Notzon S, Arolt V, Pantev C, Zwanzger P & Junghöfer M (2016) Prepare for scare – Impact of threat predictability on affective visual processing in spider phobia. *Behavioural Brain Research*; 307:84-91

Zwanzger P, Klahn AL, Arolt V, Ruland T, Zavorotnyy M, Sälzer J, Domschke K & Junghöfer M (2016) Impact of electroconvulsive therapy on magnetoencephalographic correlates of dysfunctional emotional processing in major depression. *European Neuropsychopharmacology*; 26(4):684-92. doi.org/10.1016/j.euroneuro.2016.02.005

Engell A, Junghöfer M, Stein A, Lau P, Wunderlich P, Wollbrink A & Pantev C (2016) Modulatory effects of attention on lateral inhibition in the human auditory cortex. *PlosONE*; 11(2):e0149933

Domschke K, Zwanzger P, Dobel C, Rehbein M, Steinberg C, Klinkenberg M, Knoke K, Kugel H, Kersting A, Deckert J, Arolt V, Pantev C & Junghöfer M (2016) Magnetoencephalographic correlates of emotional

processing in major depression – A pre/post-treatment study. *International Journal of Neuropsychopharmacology*; 19(2). doi.org/10.1093/ijnp/pyw031

2015

Rehbein MA, Wessing I, Zwitserlood P, Steinberg Ch, Eden A, Dobel C & Junghöfer M (2015) Rapid prefrontal cortex activation towards aversively paired faces and enhanced contingency detection are observed in high trait anxious women under challenging conditions. *Front. Behav. Neurosci.*; 9:155

Junghöfer M, Bröckelmann AK, Küppers K, Ohrmann P, & Pedersen A (2015) Abnormal affect-specific modulatory effects on early auditory processing of emotion-associated tones in schizophrenia: magnetoencephalographic evidence. *Schizophrenia Research*; 161(2-3):308-13

Wessing I, Rehbein M, Romer G, Achtergarde S, Dobel C, Zwitserlood P, FÜRNISS T & Junghöfer M (2015) Cognitive emotion regulation in children: Reappraisal of emotional faces modulates neural source activity in a fronto-parietal network. *Developmental Cognitive Neuroscience* 13 1–10
doi.org/10.1016/j.dcn.2015.01.012

Pastor MC, Rehbein MA, Junghöfer M, Poy R, López R & Moltó J (2015) Facing challenges in differential classical conditioning research: Benefits of a hybrid design for simultaneous electrodermal and electroencephalographic recording. *Front. Hum. Neurosci.*; 9:336

Lau P, Miesen M, Wunderlich R, Stein A, Engell A, Wollbrink A, Gerlach A, Junghöfer M, Ehring T. & Pantev C. (2015) The Relevance of Interoception in Chronic Tinnitus: Analyzing Interoceptive Sensibility and Accuracy. *BioMed Research*; 2015:487372

Stein A, Engell A, Lau P, Wunderlich R, Junghöfer M, Wollbrink A, Bruchmann M, Rudack C & Pantev C (2015) Enhancing Inhibition-Induced Plasticity in Tinnitus. *PLoS One*; 10(5):e0126494

Stein A, Engell A, Junghöfer M, Lau P, Wunderlich A, Wollbrink A, Rudack C & Pantev C (2015) Inhibition-induced Plasticity in Tinnitus Patients after Repetitive Exposure to Tailor-Made Notched Music. *Clinical Neurophysiology*; 126(5):1007-15

2014

Rehbein M.A, Steinberg C, Wessing I, Pastor M.C, Zwitserlood P, Keuper K, & Junghöfer M (2014) Rapid Plasticity in the Prefrontal Cortex during Affective Associative Learning. *PLoS One*. 9(10):e110720

Zwanzger P, Steinberg C, Rehbein MA Bröckelmann AK, Dobel C, Zavorotnyy M, Domschke K, & Junghöfer M (2014) Inhibitory repetitive Transcranial Magnetic Stimulation (rTMS) of the dorsolateral prefrontal cortex modulates early affective processing. *NeuroImage* 101C:193-203

Keuper K, Zwanzger P, Nordt M, Eden A, Laeger I, Zwitserlood P, Kissler J, Junghöfer M & Dobel C. (2014) How 'love' and 'hate' differ from 'sleep': Using combined EEG/MEG data to reveal the sources of early cortical responses to emotional words. *Human Brain Mapping* 35(3):875-88

Eden A, Zwitserlood P, Keuper K, Junghöfer M, Laeger I, Zwanzger P & Dobel C, (2014) All in its proper time: monitoring the emergence of a memory bias for novel arousing-negative words in individuals with high and low trait anxiety. *PLoS One* 9(6):e98339

Hintze P & Junghöfer M & Bruchmann M. (2014) Evidence for rapid prefrontal emotional evaluation from visual evoked responses to conditioned gratings. *Biological Psychology*. 99:125-36

Keil A, Debener S, Gratton G, Junghöfer M, Kappenman ES, Luck SJ, Luu P, Miller GA, Yee CM (2014) Committee report: Publication guidelines and recommendations for studies using electroencephalography and magnetoencephalography. *Psychophysiology*. 51(1):1-21

2013

Wessing I, Rehbein MA, Postert C, Fürniss T & Junghöfer M (2013) The neural basis of cognitive change: reappraisal of emotional faces modulates neural source activity in a frontoparietal attention network. *NeuroImage* 81:15-25

Steinberg C & Bröckelmann AK, Rehbein M, Dobel C & Junghöfer M (2013) Rapid and highly resolving associative affective learning: convergent electro- and magnetoencephalographic evidence from vision and audition. *Biological Psychology* 92(3) 526-540

Burgmer M & Rehbein M.A, Wrenger M, Kandil J, Heuft G, Steinberg C, Pfleiderer B & Junghöfer M (2013) Early affective processing in patients with acute posttraumatic stress disorder: magnetoencephalographic correlates. *PLoS ONE* 8(8) e71289

Bröckelmann AK, Steinberg C, Dobel C, Elling L, Zwanzger P, Pantev C & Junghöfer M (2013) Affect-specific modulation of the N1m to shock-conditioned tones: Magnetoencephalographic correlates *European Journal of Neuroscience* 37(2) 303-315

Steinberg C, Bröckelmann AK, Dobel C, Elling L, Zwanzger P, Pantev C & Junghöfer M (2013) Preferential responses to extinguished face stimuli are preserved in frontal and occipito-temporal cortex at initial but not later stages of processing. *Psychophysiology* 50(3) 230-239

Keuper K, Zwitserlood P, Rehbein M.A, Eden A.S, Laeger I, Junghöfer M, Zwanzger P & Dobel C (2013) Early Prefrontal Brain Responses to the Hedonic Quality of Emotional Words – A Simultaneous EEG and MEG Study. *PLoS ONE* 8(8) e70788. doi:10.1371/journal.pone.0070788

Geukes S, Huster R.J, Wollbrink A, Kugel H, Junghöfer M, Zwitserlood P. & Dobel C. (2013) Localizing neural sources of semantic priming – a simultaneous EEG-fMRI study. *PlosOne* 8(12):e84029

2012

Elling L, Schupp H, Putsche C Bröckelmann AK & Junghöfer M (2012) The impact of acute psychosocial stress on magnetoencephalographic correlates of emotional attention and exogenous visual attention. *PLoS ONE* 7(6) e35767

Steinberg C, Dobel C, Schupp H, Kissler J, Elling L, Pantev C & Junghöfer M (2012) Rapid and highly resolving: affective evaluation of olfactory conditioned faces. *Journal of Cognitive Neuroscience* 24(1) 17-27

2011

Wessing I, Fürniss T, Zwitserlood P, Dobel D & Junghöfer M (2011) Early emotion discrimination in 8- to 10-year-old children: magnetoencephalographic correlates. *Biological Psychology* 88(2-3) 161–169

Elbert T, Schauer M, Ruf M, Weierstall R, Neuner F, Rockstroh R & Junghöfer M (2011) The tortured brain: imaging neural representations of traumatic stress experiences using RSVP with affective pictorial stimuli. *Journal of Psychology* 219(3) 167-174

Bröckelmann AK, Steinberg C, Elling L, Zwanzger P, Pantev C & Junghöfer M (2011) Emotion-associated tones attract enhanced attention at early auditory processing: magnetoencephalographic correlates. *Journal of Neuroscience* 31(21) 7801-7810. doi.org/10.1523/JNEUROSCI.6236-10.2011

Elling L, Putsche C, Bröckelmann AK, Dobel C & Junghöfer M (2011) Acute Stress Alters Auditory Selective Attention in Humans Independent of HPA. A Study on Evoked Potentials. *PLoS ONE* 6(4) e18009

Dobel C, Junghöfer M & Gruber T (2011) The role of Gamma-Band activity in representation of faces: the case of congenital prosopagnosia. *PLoS ONE* 6(5) e19550

Peyk P, De Cesarei A & Junghöfer M (2011) ElectroMagnetoEncephaloGraphy Software (EMEGS): overview and integration with other EEG/MEG toolboxes. *Computational Intelligence and Neuroscience Special issue: "Academic Software Applications for Electromagnetic Brain Mapping Using MEG and EEG"*

2010

Junghöfer M, Kissler J, Schupp H.T, Putsche C, Elling L & Dobel C (2010). A fast neural signature of motivated attention to consumer goods separates the sexes. *Frontiers in Human Neuroscience* 4:179

Matz K, Junghöfer M, Elbert T, Weber K, Wienbruch C & Rockstroh B (2010) Adverse experiences in childhood influence brain responses to emotional stimuli in adult psychiatric patients. *International Journal of Psychophysiology* 75(3) 277-286

Dobel C, Junghöfer M, Klauke B, Breitenstein C, Pantev C & Zwitserlood P (2010) New Names for Known Things: On the Association of Novel Word Forms with Existing Semantic Information. *Journal of Cognitive Neuroscience* 22(6) 1251-1261

Steinträger O, Sillekens S, Junghöfer M, Burger M, & Wolters CH (2010) Sensitivity of beamformer source analysis to deficiencies in forward modeling. *Human Brain Mapping* 31(12) 1907-1927

Mathiak K, Junghöfer M, Pantev C & Rockstroh B (2010) Magnetoenzephalographie in der Psychiatrie. *Der Nervenarzt* 81(1)7-15

2009

- Kissler J, Herbert C, Winkler I & Junghöfer M (2009) Emotion and attention in visual word processing-An ERP study. *Biological Psychology* 80(1) 75-83
- Flaisch T, Schupp H, Renner B & Junghöfer M (2009) Neural Systems of Visual Attention Responding to Emotional Gestures. *NeuroImage* 45(4) 1339-1346
- Huster R, Wolters C, Pantev C, Wollbrink A, Schweiger E, Wittling W & Junghöfer M (2009) Effects of ACC fissurization on Stroop interference. *Human Brain Mapping* 30(4) 1279-1289
- Peyk P, Schupp H, Keil A, Elbert TR & Junghöfer M (2009) Parallel Processing of Affective Visual Stimuli. *Psychophysiology* 46(1) 200-208
- Herbert C, Ethofer T, Anders S, Junghöfer M, Wildgruber D, Grodd W & Kissler J (2009) Amygdala activation during reading of emotional adjectives--an advantage for pleasant content. *Social Cognitive and Affective Neuroscience* 4(1) 35-49

2008

- Peyk P, Schupp H, Elbert TR & Junghöfer M (2008) Emotion Processing in the Visual Brain: A MEG analysis. *Brain Topography* 20(4) 205-215
- Dobel C, Geiger L, Putsche C & Junghöfer M (2008) On the interplay of familiarity and emotion in facial expressions. *Psychological Research* 72(5) 580-586
- Dobel C, Putsche C, Zwitserlood P & Junghöfer M (2008) Early left-hemispheric dysfunction of face processing in congenital prosopagnosia: an MEG study. *PLoS One* 3(6) e2326
- Flaisch T, Junghöfer M, Bradley MM, Schupp H & Lang PJ (2008). Rapid picture processing: Affective primes and targets. *Psychophysiology* 45(1) 1-10
- Buodo G, Peyk P, Junghöfer M, Palomba D & Rockstroh B (2008). Electromagnetic indication of hypervigilant responses to emotional stimuli in blood-injury-injection fear. *Neuroscience letters* 424(2) 100-105
- Herbert C, Junghöfer M & Kissler J (2008). Event related potentials to emotional adjectives during reading. *Psychophysiology* 45(3) 487-498
- Schupp H, Stockburger J, Bublatzky F, Junghöfer M, Weike A & Hamm A (2008) The selective processing of emotional visual stimuli while detecting auditory targets: An ERP analysis. *Brain Research* 1230 168-176

2007

- Kissler J, Herbert C, Peyk P & Junghöfer M (2007). 'Buzzwords' – spontaneous cortical responses to emotional words. *Psychological Science* 18(6) 475-480

Schupp H, Stockburger J, Codispoti M, Junghöfer M, Weike AI & Hamm AH (2007) Paying Attention to Emotion: The interaction of explicit and implicit stimulus significance. *Journal of Neuroscience* 31;27(5) 1082-1089

Keil A, Bradley M.M, Junghöfer M, Russmann T, Lowenthal W & Lang PJ (2007). Cross-modal Attention Capture by Affective Stimuli: Evidence from Event-Related Potentials *Cognitive Affective & Behavioral Neuroscience* 7 (1) 18-24

Schupp H, Stockburger J, Bublitzky F, Junghöfer M, Weike AI & Hamm AH (2007). Motivated versus Directed Attention: Competition of Selective Processing in the Visual Cortex. *BMC Neuroscience* 22;8:16

2006

Junghöfer M, Sabatinelli D, Schupp H.T, Elbert T.R, Bradley M.M, & Lang P.J. (2006). Fleeting images: rapid affect discrimination in the visual cortex. *Neuroreport* 17(2) 225-229

Kloth N, Dobel Ch, Schweinberger SR, Bölte J, Zwitserlood P & Junghöfer M (2006). Effects of personal familiarity on early neuromagnetic correlates of face perception. *European Journal of Neuroscience* 24(11) 3317-3321

Schupp H, Flaisch T, Stockburger J & Junghöfer M (2006) Emotion and Attention: Event-related brain potential studies; in “Understanding Emotions” (eds. Anders Ende Junghöfer Kissler Wildgruber). *Progress in Brain Research* 156 31-51

Junghöfer M, Peyk P, Flaisch T & Schupp H (2006) Neuroimaging methods in affective neuroscience: Selected methodological issues; in “Understanding Emotions” (eds. Anders Ende Junghöfer Kissler Wildgruber) *Progress in Brain Research* 156 123-143

Herbert C, Kießler J, Junghöfer M, Peyk P & Rockstroh B (2006). Processing of emotional adjectives: Evidence from startle EMG and ERPs *Psychophysiology* 43(2) 197-206

Rockstroh B, Junghöfer M, Elbert T, Buodo G & Miller GA (2006) Electromagnetic brain activity evoked by affective stimuli in schizophrenia. *Psychophysiology* 43(5) 431-439

Codispoti M, Ferrari V, Junghöfer M & Schupp H (2006) Categorization of Natural Scenes: A High Density EEG Study. *NeuroImage* 32(2) 583-591

2005

Junghöfer M, Schupp H, Stark R & Vaitl D (2005) Neuroimaging of Emotion: Empirical effects of proportional global signal scaling in fMRI data analysis. *NeuroImage* 25(2) 520-526

Schupp H, Stockburger J, Codispoti M, Junghöfer M, Weike AI & Hamm AH (2005) Selective Emotion Processing in the Visual Brain: The Near Absence of Habituation. *Neuroreport* 17(4) 365-369

<= 2004

- Schupp H, Öhman A, Junghöfer M, Weike AI & Hamm A (2004) Emotion Guides Attention: The Selective Encoding of Threatening Faces *Emotion* 4 189-200
- Schupp H, Junghöfer M, Weike AI & Hamm AH (2004) The selective processing of briefly presented affective pictures: an ERP analysis. *Psychophysiology* 41(3) 441-9
- Schupp H, Junghöfer M, Weike AI & Hamm AH (2003) Emotional facilitation of sensory processing in the visual cortex. *Psychological Science* 14 7-13
- Schupp H, Junghöfer M, Weike AI & Hamm AH (2003) Attention and Emotion: An ERP analysis of facilitated emotional stimulus processing. *NeuroReport* 14 1107-1110
- Junghöfer M, Bradley MM, Elbert TR & Lang PJ (2001) Fleeting images: A new look at early emotion discrimination *Psychophysiology* 38 Special Report 175-178
- Junghöfer M, Elbert T, Tucker D & Rockstroh B (2000) Statistical Control of Artifacts in Dense Array EEG/MEG Studies. *Psychophysiology* 37(4) 523-532
- Junghöfer M, Elbert T, Tucker D & Braun C (1999) The Polar Effect of Average Reference: A bias in estimating the head surface integral in EEG recording. *Clinical Neurophysiology* 110(6) 1149-1155
- Schweinberger S, Burton A, Elbert T, Junghöfer M, Kelly SW, Müller MM, Soukup GR (1998) Wechselwirkungen zwischen der Wahrnehmung von Identität und Emotion in Gesichtern. In H. Lachnit A. Jacobs und F. Rösler (Hrsg.) *Experimentelle Psychologie* (pp. 333-334). Lengerich: *Pabst Science Publishers*. (ISBN 3-933151-18-X)
- Müller M, Junghöfer M, Elbert T & Rockstroh B (1997) Visually induced gamma band responses to coherent and incoherent motion: a replication study *NeuroReport* 8 2575-2579
- Junghöfer M, Elbert T, Leiderer L, Berg P & Rockstroh B (1997) Mapping EEG-potentials on the surface of the brain: A strategy for uncovering cortical sources. *Brain Topography* Volume 9 Number3 203-217
- Elbert T, Junghöfer M, Scholz B & Schneider S (1995) The Separation of Overlapping Neuromagnetic Sources in First and Second Somatosensory Cortices. *Brain Topography* 7(4) 275-282

Books

“Understanding Emotions” (2006) Edited by: S. Anders G., Ende M., Junghöfer M., Kissler D. Wildgruber; *Progress in Brain Research*; Elsevier.

Book chapters

Junghöfer M (2011) Schnell aber hochauflösend – unbewusste emotionale Reizverarbeitung ist weit mächtiger als bisher angenommen. in: „Speerspitzen“ - Die Heidelberger Akademie der Wissenschaften fördert junge Forscherinnen und Forscher; Heidelberger Akademie der Wissenschaften (Hg.); Universitätsverlag Winter Heidelberg

Elbert T, Junghöfer M, Rockstroh B, Roth WT (1998) Psychophysiologische Grundlagen und Meßmethoden der Hirnaktivität In *Enzyklopädie der Psychologie* Serie I Biologische Psychologie Band 4 Grundlagen und Methoden der Psychophysiologie F. Rösler (Hrsg.) Göttingen: Hogrefe