

Milan Brázdil

(Faculty of Medicine, Masaryk University)

Citation Report:

Sum of articles WoS: 73

Sum of articles WoS (2004 - 2008): 39

Sum of the Times Cited: 374

h-index : 13

Number of patents: 0

Milan Brázdil is currently at the position of Professor at the Department of Neurology Masaryk University in Brno. His main research activities are performed in the field of cognitive neuroscience and epileptology. He is involved in research of neurocognitive networks, mental processing and awareness; functional brain connectivity and neural plasticity; and high-frequency oscillations in human brain. Methods currently used for his research are functional MRI, MR spectroscopy, voxel-based morphometry, scalp and intracranial event-related potentials.

Three key publications

- Brazdil M; Dobsik M; Mikl M; Hlustik P; Daniel P; Pazourkova M; Krupa P; Rektor I. Combined event-related fMRI and intracerebral ERP study of an auditory oddball task. *NEUROIMAGE*. 2005; 26(1): 285-293. ISSN 1053-8119. IF = 5.559
- Brazdil M; Mikl M; Marecek R; Krupa P; Rektor I. Effective connectivity in target stimulus processing: A dynamic causal modeling study of visual oddball task. *NEUROIMAGE*. 2007; 35 (2): 827-835. ISSN 1053-8119. IF = 5.559
- Brazdil M; Babiloni C; Roman R; Daniel P; Bares M; Rektor I; Eusebi F; Rossini PM; Vecchio F. Directional Functional Coupling of Cerebral Rhythms Between Anterior Cingulate and Dorsolateral Prefrontal Areas During Rare Stimuli: A Directed Transfer Function Analysis of Human Depth EEG Signal. *HUMAN BRAIN MAPPING*. 2009; 30(1): 138-146. ISSN 1065-9471. IF = 6.151

Instruments (currently available)

MR Siemens Magnetom Symphony 1.5T (situated at St. Anne's University Hospital, Diagnostic Imaging Clinic), MR compatible EEG (BrainAmp) 32 channels (situated at St. Anne's University Hospital, 1st Department of Neurology), Video EEG system (Alien) 128 channels (situated at St. Anne's University Hospital, 1st Department of Neurology); EEG system (BrainScope) 96 channels (situated at St. Anne's University Hospital, 1st Department of Neurology).