Martin Brunovsky

List of Publications by Year
in descending order

71 papers	1,707 citations	279487 23 h-index	301761 39 g-index
89 all docs	89 docs citations	89 times ranked	2250 citing authors

#	ARTICLE	IF	CITATIONS
1	Guidelines for the Recording and Evaluation of Pharmaco-EEG Data in Man: The International Pharmaco-EEG Society (IPEG). Neuropsychobiology, 2012, 66, 201-220.	0.9	132
2	Early reduction in prefrontal theta QEEG cordance value predicts response to venlafaxine treatment in patients with resistant depressive disorder. European Psychiatry, 2008, 23, 350-355.	0.1	120
3	Changes in QEEG prefrontal cordance as a predictor of response to antidepressants in patients with treatment resistant depressive disorder: A pilot study. Journal of Psychiatric Research, 2007, 41, 319-325.	1.5	107
4	Effect of Low-Frequency rTMS on Electromagnetic Tomography (LORETA) and Regional Brain Metabolism (PET) in Schizophrenia Patients with Auditory Hallucinations. Neuropsychobiology, 2007, 55, 132-142.	0.9	97
5	The change of prefrontal QEEG theta cordance as a predictor of response to bupropion treatment in patients who had failed to respond to previous antidepressant treatments. European Neuropsychopharmacology, 2010, 20, 459-466.	0.3	81
6	Latent toxoplasmosis reduces gray matter density in schizophrenia but not in controls: Voxel-based-morphometry (VBM) study. World Journal of Biological Psychiatry, 2012, 13, 501-509.	1.3	77
7	Objective Assessment of the Degree of Dementia by Means of EEG. Neuropsychobiology, 2003, 48, 19-26.	0.9	76
8	Electroencephalographic Spectral and Coherence Analysis of Ketamine in Rats: Correlation with Behavioral Effects and Pharmacokinetics. Neuropsychobiology, 2011, 63, 202-218.	0.9	73
9	EEG source analysis in obsessive–compulsive disorder. Clinical Neurophysiology, 2011, 122, 1735-1743.	0.7	59
10	Low frequency (1-Hz), right prefrontal repetitive transcranial magnetic stimulation (rTMS) compared with venlafaxine ER in the treatment of resistant depression: A double-blind, single-centre, randomized study. Journal of Affective Disorders, 2009, 118, 94-100.	2.0	53
11	Behavioral, neurochemical and pharmaco-EEG profiles of the psychedelic drug 4-bromo-2,5-dimethoxyphenethylamine (2C-B) in rats. Psychopharmacology, 2013, 225, 75-93.	1.5	45
12	Prediction of Treatment Response and the Effect of Independent Component Neurofeedback in Obsessive-Compulsive Disorder: A Randomized, Sham-Controlled, Double-Blind Study. Neuropsychobiology, 2013, 67, 210-223.	0.9	43
13	Sleep disturbances in patients treated for panic disorder. Sleep Medicine, 2005, 6, 149-153.	0.8	39
14	Guidelines for the Recording and Evaluation of Pharmaco-Sleep Studies in Man: The International Pharmaco-EEG Society (IPEG). Neuropsychobiology, 2013, 67, 127-167.	0.9	39
15	QEEG Theta Cordance in the Prediction of Treatment Outcome to Prefrontal Repetitive Transcranial Magnetic Stimulation or Venlafaxine ER in Patients With Major Depressive Disorder. Clinical EEG and Neuroscience, 2015, 46, 73-80.	0.9	39
16	Subanesthetic dose of ketamine decreases prefrontal theta cordance in healthy volunteers: implications for antidepressant effect. Psychological Medicine, 2010, 40, 1443-1451.	2.7	37
17	LORETA Functional Imaging in Antipsychotic-Naive and Olanzapine-, Clozapine- and Risperidone-Treated Patients with Schizophrenia. Neuropsychobiology, 2008, 58, 1-10.	0.9	34
18	Subjective and objective evaluation of alertness and sleep quality in depressed patients. BMC Psychiatry, 2004, 4, 14.	1.1	32

#	Article	IF	Citations
19	Standardized low-resolution brain electromagnetic tomography (sLORETA) in the prediction of response to cholinesterase inhibitors in patients with Alzheimer's disease. Annals of General Psychiatry, 2008, 7, .	1.2	31
20	The effectiveness of prefrontal theta cordance and early reduction of depressive symptoms in the prediction of antidepressant treatment outcome in patients with resistant depression: analysis of naturalistic data. European Archives of Psychiatry and Clinical Neuroscience, 2015, 265, 73-82.	1.8	31
21	The Antidepressant Effect of Ketamine Is Dampened by Concomitant Benzodiazepine Medication. Frontiers in Psychiatry, 2020, 11, 844.	1.3	29
22	The change of QEEG prefrontal cordance as a response predictor to antidepressive intervention in bipolar depression. A pilot study. Journal of Psychiatric Research, 2012, 46, 219-225.	1.5	26
23	Psilocybin disrupts sensory and higher order cognitive processing but not pre-attentive cognitive processingâ€"study on P300 and mismatch negativity in healthy volunteers. Psychopharmacology, 2018, 235, 491-503.	1.5	26
24	Electrophysiological correlates of bilateral and unilateral repetitive transcranial magnetic stimulation in patients with bipolar depression. Psychiatry Research, 2016, 240, 364-375.	1.7	25
25	Cognitive deficits in patients with obsessive&ndash;compulsive disorder &ndash; electroencephalography correlates. Neuropsychiatric Disease and Treatment, 2016, 12, 1119.	1.0	23
26	Role of Glutamatergic System in Obsessive-Compulsive Disorder with Possible Therapeutic Implications. Pharmacopsychiatry, 2018, 51, 229-242.	1.7	23
27	Discontinuation of hypnotics during cognitive behavioural therapy for insomnia. BMC Psychiatry, 2008, 8, 80.	1.1	22
28	Physical Comorbidities in Depression Co-Occurring with Anxiety: A Cross Sectional Study in the Czech Primary Care System. International Journal of Environmental Research and Public Health, 2015, 12, 15728-15738.	1.2	21
29	AUGMENTATION OF ANTIDEPRESSANTS WITH BRIGHT LIGHT THERAPY IN PATIENTS WITH COMORBID DEPRESSION AND BORDERLINE PERSONALITY DISORDER. Biomedical Papers of the Medical Faculty of the University Palacky&#x0301;, Olomouc, Czechoslovakia, 2010, 154, 355-361.	0.2	21
30	Sad mood induction has an opposite effect on amygdala response to emotional stimuli in euthymic patients with bipolar disorder and healthy controls. Journal of Psychiatry and Neuroscience, 2015, 40, 134-142.	1.4	19
31	The Comparison of Effectiveness of Various Potential Predictors of Response to Treatment With SSRIs in Patients With Depressive Disorder. Journal of Nervous and Mental Disease, 2017, 205, 618-626.	0.5	16
32	Standardized low-resolution electromagnetic tomography in obsessiveâ€"compulsive disorderâ€"A replication study. Neuroscience Letters, 2013, 548, 185-189.	1.0	15
33	Trazodone improves the results of cognitive behaviour therapy of primary insomnia in non-depressed patients. Neuroendocrinology Letters, 2008, 29, 895-901.	0.2	15
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37	EEG abnormalities in dementia reflect the parietal lobe syndrome. Clinical Neurophysiology, 2001, 112, 1001-1005.	0.7	12
38	EEG correlates of induced anxiety in obsessive&ndash;compulsive patients: comparison of autobiographical and general anxiety scenarios. Neuropsychiatric Disease and Treatment, 2018, Volume 14, 2165-2174.	1.0	12
39	Predicting Sex From EEG: Validity and Generalizability of Deep-Learning-Based Interpretable Classifier. Frontiers in Neuroscience, 2020, 14, 589303.	1.4	12
40	The Effects of Daytime Psilocybin Administration on Sleep: Implications for Antidepressant Action. Frontiers in Pharmacology, 2020, 11, 602590.	1.6	11
41	Predictive value of heart rate in treatment of major depression with ketamine in two controlled trials. Clinical Neurophysiology, 2021, 132, 1339-1346.	0.7	11
42	Early change of prefrontal theta cordance and occipital alpha asymmetry in the prediction of responses to antidepressants. International Journal of Psychophysiology, 2019, 143, 1-8.	0.5	10
43	Artifacts in Simultaneous hdEEG/fMRI Imaging: A Nonlinear Dimensionality Reduction Approach. Sensors, 2019, 19, 4454.	2.1	8
44	Objective Measurement of the Alertness Level in Dementia. Dementia and Geriatric Cognitive Disorders, 2003, 15, 212-217.	0.7	7
45	Apnea Detection in Polysomnographic Recordings Using Machine Learning Techniques. Diagnostics, 2021, 11, 2302.	1.3	7
46	Transcranial Direct-Current Stimulation (tDCS) Versus Venlafaxine ER In The Treatment Of Depression: A Randomized, Double-Blind, Single-Center Study With Open-Label, Follow-Up . Neuropsychiatric Disease and Treatment, 2019, Volume 15, 3003-3014.	1.0	6
47	Baseline Difference in Quantitative Electroencephalography Variables Between Responders and Non-Responders to Low-Frequency Repetitive Transcranial Magnetic Stimulation in Depression. Frontiers in Psychiatry, 2020, 11, 83.	1.3	5
48	Is short-term memory capacity (7±2) really predicted by theta to gamma cycle length ratio?. Behavioural Brain Research, 2021, 414, 113465.	1.2	5
49	Latent Schizencephaly With Psychotic Phenotype or Schizophrenia With Schizencephaly? A Case Report and Review of the Literature. Clinical EEG and Neuroscience, 2019, 50, 13-19.	0.9	4
50	Simultaneous fMRI-EEG-Based Characterisation of NREM Parasomnia Disease: Methods and Limitations. Diagnostics, 2020, 10, 1087.	1.3	4
51	The way ahead for predictive EEG biomarkers in treatment of depression. Clinical Neurophysiology, 2021, 132, 616-617.	0.7	4
52	Frames of reference and their neural correlates within navigation in a 3D environment. Visual Neuroscience, 2012, 29, 183-191.	0.5	3
53	Psilocybinâ€"Mediated Attenuation of Gamma Band Auditory Steady-State Responses (ASSR) Is Driven by the Intensity of Cognitive and Emotional Domains of Psychedelic Experience. Journal of Personalized Medicine, 2022, 12, 1004.	1.1	3
54	Electromagnetic Modeling of Rat's Brain: Comparison of Models and Solvers. , 2018, , .		1

#	Article	IF	Citations
55	Electrical Source Imaging in Rats: Cortical EEG Performance and Limitations. , 2018, , .		1
56	The changes of brain electrical activity after cerebellar rtms revealed by loreta (low resolotion brain) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5(	0.1	0
57	The effect of low-frequency rTMS on regional brain metabolism (PET) in auditory hallucinations as the background for neuronavigated rTMS. European Psychiatry, 2007, 22, S315.	0.1	0
58	The decrease of prefrontal theta QEEG cordance value predicts response to Venlafaxine treatment in patients with resistant depression. European Psychiatry, 2008, 23, S74.	0.1	0
59	Electrophysiological effect of low-frequency rTMS in schizophrenic patients with auditory hallucinations. European Psychiatry, 2008, 23, S286.	0.1	0
60	Differences in brain electrical activity after the cerebellar hemisphere and the vermis rTMS. European Psychiatry, 2008, 23, S287-S288.	0.1	0
61	Prediction of Response to Bupropion Treatment - the Early Change of Prefrontal QEEG Cordance. Open Label Study. European Psychiatry, 2009, 24, .	0.1	0
62	P.1.c.067 Effect of group II metabotropic glutamate receptor agonist on behaviour and electroencephalography in a model of psychosis. European Neuropsychopharmacology, 2010, 20, S273-S274.	0.3	0
63	Different impact of t.gondii seropositivity on the brain morphometry in schizophrenia and healthy control groups. European Psychiatry, 2011, 26, 2124-2124.	0.1	0
64	P.3.020 How ketamine changes the neurophysiology of depressive patients' brains: a randomised controlled trial. European Neuropsychopharmacology, 2011, 21, S75.	0.3	0
65	P.1.b.009 Default mode network activity decrement interrelated with anxious-like and dreadful experiences during acute cannabis intoxication. European Neuropsychopharmacology, 2014, 24, S176-S177.	0.3	0
66	The effectiveness of various potential predictors of response to treatment with SSRIs in patients with depressive disorder. European Psychiatry, 2016, 33, S406-S406.	0.1	0
67	19th biennial IPEG Meeting. Neuropsychiatric Electrophysiology, 2016, 2, .	4.1	0
68	Prefrontal Theta Cordance in the Prediction of Antidepressant Response to Various Classes of Antidepressants in Patients with Depressive Disorder. European Psychiatry, 2017, 41, s140-s140.	0.1	0
69	EEG Forward Problem Modelling: Comparison of FieldTrip-SimBio and CST EM Studio. , 2018, , .		0
70	Comparable efficacy of prefrontal theta cordance in the prediction of response to antidepressants and rTMS. L'Encephale, 2019, 45, S70-S71.	0.3	0
71	Extraction and Evaluation of EEG Covariates and Their Influence on GLM Model. , 2021, , .		0