

Martin Brunovsky

List of Publications by Year in descending order

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71
papers

1,707
citations

279798

23
h-index

302126

39
g-index

89
all docs

89
docs citations

89
times ranked

2250
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	2.5	3
2	Special Report on the Impact of the COVID-19 Pandemic on Clinical EEG and Research and Consensus Recommendations for the Safe Use of EEG. Clinical EEG and Neuroscience, 2021, 52, 3-28.	1.7	13
3	The way ahead for predictive EEG biomarkers in treatment of depression. Clinical Neurophysiology, 2021, 132, 616-617.	1.5	4
4	Predictive value of heart rate in treatment of major depression with ketamine in two controlled trials. Clinical Neurophysiology, 2021, 132, 1339-1346.	1.5	11
5	Is short-term memory capacity (7 ± 2) really predicted by theta to gamma cycle length ratio?. Behavioural Brain Research, 2021, 414, 113465.	2.2	5
6	Extraction and Evaluation of EEG Covariates and Their Influence on GLM Model. , 2021, , .		0
7	Apnea Detection in Polysomnographic Recordings Using Machine Learning Techniques. Diagnostics, 2021, 11, 2302.	2.6	7
8	The Effects of Daytime Psilocybin Administration on Sleep: Implications for Antidepressant Action. Frontiers in Pharmacology, 2020, 11, 602590.	3.5	11
9	The Antidepressant Effect of Ketamine Is Dampened by Concomitant Benzodiazepine Medication. Frontiers in Psychiatry, 2020, 11, 844.	2.6	29
10	Simultaneous fMRI-EEG-Based Characterisation of NREM Parasomnia Disease: Methods and Limitations. Diagnostics, 2020, 10, 1087.	2.6	4
11	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.	2.6	5
12	Predicting Sex From EEG: Validity and Generalizability of Deep-Learning-Based Interpretable Classifier. Frontiers in Neuroscience, 2020, 14, 589303.	2.8	12
13	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.	1.7	4
14	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.	1.0	10
15	<p>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</p>. Neuropsychiatric Disease and Treatment, 2019, Volume 15, 3003-3014.	2.2	6
16	Comparable efficacy of prefrontal theta cordance in the prediction of response to antidepressants and rTMS. L'Encephale, 2019, 45, S70-S71.	0.9	0
17	Artifacts in Simultaneous hdEEG/fMRI Imaging: A Nonlinear Dimensionality Reduction Approach. Sensors, 2019, 19, 4454.	3.8	8
18	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.	3.1	26

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19	Role of Glutamatergic System in Obsessive-Compulsive Disorder with Possible Therapeutic Implications. <i>Pharmacopsychiatry</i> , 2018, 51, 229-242.	3.3	23
20	EEG Forward Problem Modelling: Comparison of FieldTrip-SimBio and CST EM Studio. , 2018, , .		0
21	Electromagnetic Modeling of Rat's Brain: Comparison of Models and Solvers. , 2018, , .		1
22	Electrical Source Imaging in Rats: Cortical EEG Performance and Limitations. , 2018, , .		1
23	EEG correlates of induced anxiety in obsessive–compulsive patients: comparison of autobiographical and general anxiety scenarios. <i>Neuropsychiatric Disease and Treatment</i> , 2018, Volume 14, 2165-2174.	2.2	12
24	The Comparison of Effectiveness of Various Potential Predictors of Response to Treatment With SSRIs in Patients With Depressive Disorder. <i>Journal of Nervous and Mental Disease</i> , 2017, 205, 618-626.	1.0	16
25	Prefrontal Theta Cordance in the Prediction of Antidepressant Response to Various Classes of Antidepressants in Patients with Depressive Disorder. <i>European Psychiatry</i> , 2017, 41, s140-s140.	0.2	0
26	Cognitive deficits in patients with obsessive–compulsive disorder – electroencephalography correlates. <i>Neuropsychiatric Disease and Treatment</i> , 2016, 12, 1119.	2.2	23
27	The effectiveness of various potential predictors of response to treatment with SSRIs in patients with depressive disorder. <i>European Psychiatry</i> , 2016, 33, S406-S406.	0.2	0
28	Electrophysiological correlates of bilateral and unilateral repetitive transcranial magnetic stimulation in patients with bipolar depression. <i>Psychiatry Research</i> , 2016, 240, 364-375.	3.3	25
29	19th biennial IPEG Meeting. <i>Neuropsychiatric Electrophysiology</i> , 2016, 2, .	4.1	0
30	Early stages of pediatric bipolar disorder: retrospective analysis of a Czech inpatient sample. <i>Neuropsychiatric Disease and Treatment</i> , 2015, 11, 2855.	2.2	13
31	Physical Comorbidities in Depression Co-Occurring with Anxiety: A Cross Sectional Study in the Czech Primary Care System. <i>International Journal of Environmental Research and Public Health</i> , 2015, 12, 15728-15738.	2.6	21
32	Sad mood induction has an opposite effect on amygdala response to emotional stimuli in euthymic patients with bipolar disorder and healthy controls. <i>Journal of Psychiatry and Neuroscience</i> , 2015, 40, 134-142.	2.4	19
33	QEEG Theta Cordance in the Prediction of Treatment Outcome to Prefrontal Repetitive Transcranial Magnetic Stimulation or Venlafaxine ER in Patients With Major Depressive Disorder. <i>Clinical EEG and Neuroscience</i> , 2015, 46, 73-80.	1.7	39
34	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. <i>European Archives of Psychiatry and Clinical Neuroscience</i> , 2015, 265, 73-82.	3.2	31
35	P.1.b.009 Default mode network activity decrement interrelated with anxious-like and dreadful experiences during acute cannabis intoxication. <i>European Neuropsychopharmacology</i> , 2014, 24, S176-S177.	0.7	0
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37	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.	1.9	43
38	Standardized low-resolution electromagnetic tomography in obsessive-compulsive disorder: A replication study. Neuroscience Letters, 2013, 548, 185-189.	2.1	15
39	Behavioral, neurochemical and pharmac-EEG profiles of the psychedelic drug 4-bromo-2,5-dimethoxyphenethylamine (2C-B) in rats. Psychopharmacology, 2013, 225, 75-93.	3.1	45
40	Guidelines for the Recording and Evaluation of Pharmac-Sleep Studies in Man: The International Pharmac-EEG Society (IPEG). Neuropsychobiology, 2013, 67, 127-167.	1.9	39
41	Frames of reference and their neural correlates within navigation in a 3D environment. Visual Neuroscience, 2012, 29, 183-191.	1.0	3
42	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.	2.6	77
43	Guidelines for the Recording and Evaluation of Pharmac-EEG Data in Man: The International Pharmac-EEG Society (IPEG). Neuropsychobiology, 2012, 66, 201-220.	1.9	132
44	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.	3.1	26
45	Different impact of t.gondii seropositivity on the brain morphometry in schizophrenia and healthy control groups. European Psychiatry, 2011, 26, 2124-2124.	0.2	0
46	Electroencephalographic Spectral and Coherence Analysis of Ketamine in Rats: Correlation with Behavioral Effects and Pharmacokinetics. Neuropsychobiology, 2011, 63, 202-218.	1.9	73
47	EEG source analysis in obsessive-compulsive disorder. Clinical Neurophysiology, 2011, 122, 1735-1743.	1.5	59
48	P.3.020 How ketamine changes the neurophysiology of depressive patients' brains: a randomised controlled trial. European Neuropsychopharmacology, 2011, 21, S75.	0.7	0
49	Subanesthetic dose of ketamine decreases prefrontal theta cordance in healthy volunteers: implications for antidepressant effect. Psychological Medicine, 2010, 40, 1443-1451.	4.5	37
50	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.	0.7	0
51	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.	0.7	81
52	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, Olomouc, Czechoslovakia, 2010, 154, 355-361.	0.6	21
53	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.	4.1	53
54	Prediction of Response to Bupropion Treatment - the Early Change of Prefrontal QEEG Cordance. Open Label Study. European Psychiatry, 2009, 24, .	0.2	0

#	ARTICLE	IF	CITATIONS
55	Discontinuation of hypnotics during cognitive behavioural therapy for insomnia. BMC Psychiatry, 2008, 8, 80.	2.6	22
56	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, .	2.7	31
57	The decrease of prefrontal theta QEEG cordance value predicts response to Venlafaxine treatment in patients with resistant depression. European Psychiatry, 2008, 23, S74.	0.2	0
58	Electrophysiological effect of low-frequency rTMS in schizophrenic patients with auditory hallucinations. European Psychiatry, 2008, 23, S286.	0.2	0
59	Differences in brain electrical activity after the cerebellar hemisphere and the vermis rTMS. European Psychiatry, 2008, 23, S287-S288.	0.2	0
60	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.	0.2	120
61	LORETA Functional Imaging in Antipsychotic-Naive and Olanzapine-, Clozapine- and Risperidone-Treated Patients with Schizophrenia. Neuropsychobiology, 2008, 58, 1-10.	1.9	34
62	Trazodone improves the results of cognitive behaviour therapy of primary insomnia in non-depressed patients. Neuroendocrinology Letters, 2008, 29, 895-901.	0.2	15
63	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.	1.9	97
64	The changes of brain electrical activity after cerebellar rtms revealed by loreta (low resolution brain) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	0.2	0
65	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.	0.2	0
66	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.	3.1	107
67	Sleep disturbances in patients treated for panic disorder. Sleep Medicine, 2005, 6, 149-153.	1.6	39
68	Subjective and objective evaluation of alertness and sleep quality in depressed patients. BMC Psychiatry, 2004, 4, 14.	2.6	32
69	Objective Assessment of the Degree of Dementia by Means of EEG. Neuropsychobiology, 2003, 48, 19-26.	1.9	76
70	Objective Measurement of the Alertness Level in Dementia. Dementia and Geriatric Cognitive Disorders, 2003, 15, 212-217.	1.5	7
71	EEG abnormalities in dementia reflect the parietal lobe syndrome. Clinical Neurophysiology, 2001, 112, 1001-1005.	1.5	12