

# 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	Guidelines for the Recording and Evaluation of Pharmaco-EEG Data in Man: The International Pharmaco-EEG Society (IPEG). <i>Neuropsychobiology</i> , 2012, 66, 201-220.	1.9	132
2	Early reduction in prefrontal theta QEEG cordance value predicts response to venlafaxine treatment in patients with resistant depressive disorder. <i>European Psychiatry</i> , 2008, 23, 350-355.	0.2	120
3	Changes in QEEG prefrontal cordance as a predictor of response to antidepressants in patients with treatment resistant depressive disorder: A pilot study. <i>Journal of Psychiatric Research</i> , 2007, 41, 319-325.	3.1	107
4	Effect of Low-Frequency rTMS on Electromagnetic Tomography (LORETA) and Regional Brain Metabolism (PET) in Schizophrenia Patients with Auditory Hallucinations. <i>Neuropsychobiology</i> , 2007, 55, 132-142.	1.9	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. <i>European Neuropsychopharmacology</i> , 2010, 20, 459-466.	0.7	81
6	Latent toxoplasmosis reduces gray matter density in schizophrenia but not in controls: Voxel-based-morphometry (VBM) study. <i>World Journal of Biological Psychiatry</i> , 2012, 13, 501-509.	2.6	77
7	Objective Assessment of the Degree of Dementia by Means of EEG. <i>Neuropsychobiology</i> , 2003, 48, 19-26.	1.9	76
8	Electroencephalographic Spectral and Coherence Analysis of Ketamine in Rats: Correlation with Behavioral Effects and Pharmacokinetics. <i>Neuropsychobiology</i> , 2011, 63, 202-218.	1.9	73
9	EEG source analysis in obsessive-compulsive disorder. <i>Clinical Neurophysiology</i> , 2011, 122, 1735-1743.	1.5	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. <i>Journal of Affective Disorders</i> , 2009, 118, 94-100.	4.1	53
11	Behavioral, neurochemical and pharmaco-EEG profiles of the psychedelic drug 4-bromo-2,5-dimethoxyphenethylamine (2C-B) in rats. <i>Psychopharmacology</i> , 2013, 225, 75-93.	3.1	45
12	Prediction of Treatment Response and the Effect of Independent Component Neurofeedback in Obsessive-Compulsive Disorder: A Randomized, Sham-Controlled, Double-Blind Study. <i>Neuropsychobiology</i> , 2013, 67, 210-223.	1.9	43
13	Sleep disturbances in patients treated for panic disorder. <i>Sleep Medicine</i> , 2005, 6, 149-153.	1.6	39
14	Guidelines for the Recording and Evaluation of Pharmaco-Sleep Studies in Man: The International Pharmaco-EEG Society (IPEG). <i>Neuropsychobiology</i> , 2013, 67, 127-167.	1.9	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. <i>Clinical EEG and Neuroscience</i> , 2015, 46, 73-80.	1.7	39
16	Subanesthetic dose of ketamine decreases prefrontal theta cordance in healthy volunteers: implications for antidepressant effect. <i>Psychological Medicine</i> , 2010, 40, 1443-1451.	4.5	37
17	LORETA Functional Imaging in Antipsychotic-Naive and Olanzapine-, Clozapine- and Risperidone-Treated Patients with Schizophrenia. <i>Neuropsychobiology</i> , 2008, 58, 1-10.	1.9	34
18	Subjective and objective evaluation of alertness and sleep quality in depressed patients. <i>BMC Psychiatry</i> , 2004, 4, 14.	2.6	32

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19	Standardized low-resolution brain electromagnetic tomography (sLORETA) in the prediction of response to cholinesterase inhibitors in patients with Alzheimer's disease. <i>Annals of General Psychiatry</i> , 2008, 7, .	2.7	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. <i>European Archives of Psychiatry and Clinical Neuroscience</i> , 2015, 265, 73-82.	3.2	31
21	The Antidepressant Effect of Ketamine Is Dampened by Concomitant Benzodiazepine Medication. <i>Frontiers in Psychiatry</i> , 2020, 11, 844.	2.6	29
22	The change of QEEG prefrontal cordance as a response predictor to antidepressive intervention in bipolar depression. A pilot study. <i>Journal of Psychiatric Research</i> , 2012, 46, 219-225.	3.1	26
23	Psilocybin disrupts sensory and higher order cognitive processing but not pre-attentive cognitive processing—study on P300 and mismatch negativity in healthy volunteers. <i>Psychopharmacology</i> , 2018, 235, 491-503.	3.1	26
24	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
25	Cognitive deficits in patients with obsessive&ndash;compulsive disorder &ndash; electroencephalography correlates. <i>Neuropsychiatric Disease and Treatment</i> , 2016, 12, 1119.	2.2	23
26	Role of Glutamatergic System in Obsessive-Compulsive Disorder with Possible Therapeutic Implications. <i>Pharmacopsychiatry</i> , 2018, 51, 229-242.	3.3	23
27	Discontinuation of hypnotics during cognitive behavioural therapy for insomnia. <i>BMC Psychiatry</i> , 2008, 8, 80.	2.6	22
28	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
29	AUGMENTATION OF ANTIDEPRESSANTS WITH BRIGHT LIGHT THERAPY IN PATIENTS WITH COMORBID DEPRESSION AND BORDERLINE PERSONALITY DISORDER. <i>Biomedical Papers of the Medical Faculty of the University Palacky&amp;#x0301;, Olomouc, Czechoslovakia</i> , 2010, 154, 355-361.	0.6	21
30	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
31	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
32	Standardized low-resolution electromagnetic tomography in obsessive&ndash;compulsive disorder&ndash;A replication study. <i>Neuroscience Letters</i> , 2013, 548, 185-189.	2.1	15
33	Trazodone improves the results of cognitive behaviour therapy of primary insomnia in non-depressed patients. <i>Neuroendocrinology Letters</i> , 2008, 29, 895-901.	0.2	15
34			

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37	EEG abnormalities in dementia reflect the parietal lobe syndrome. <i>Clinical Neurophysiology</i> , 2001, 112, 1001-1005.	1.5	12
38	EEG correlates of induced anxiety in obsessive&ndash;compulsive patients: comparison of autobiographical and general anxiety scenarios. <i>Neuropsychiatric Disease and Treatment</i> , 2018, Volume 14, 2165-2174.	2.2	12
39	Predicting Sex From EEG: Validity and Generalizability of Deep-Learning-Based Interpretable Classifier. <i>Frontiers in Neuroscience</i> , 2020, 14, 589303.	2.8	12
40	The Effects of Daytime Psilocybin Administration on Sleep: Implications for Antidepressant Action. <i>Frontiers in Pharmacology</i> , 2020, 11, 602590.	3.5	11
41	Predictive value of heart rate in treatment of major depression with ketamine in two controlled trials. <i>Clinical Neurophysiology</i> , 2021, 132, 1339-1346.	1.5	11
42	Early change of prefrontal theta cordance and occipital alpha asymmetry in the prediction of responses to antidepressants. <i>International Journal of Psychophysiology</i> , 2019, 143, 1-8.	1.0	10
43	Artifacts in Simultaneous hdEEG/fMRI Imaging: A Nonlinear Dimensionality Reduction Approach. <i>Sensors</i> , 2019, 19, 4454.	3.8	8
44	Objective Measurement of the Alertness Level in Dementia. <i>Dementia and Geriatric Cognitive Disorders</i> , 2003, 15, 212-217.	1.5	7
45	Apnea Detection in Polysomnographic Recordings Using Machine Learning Techniques. <i>Diagnostics</i> , 2021, 11, 2302.	2.6	7
46	<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>. <i>Neuropsychiatric Disease and Treatment</i> , 2019, Volume 15, 3003-3014.	2.2	6
47	Baseline Difference in Quantitative Electroencephalography Variables Between Responders and Non-Responders to Low-Frequency Repetitive Transcranial Magnetic Stimulation in Depression. <i>Frontiers in Psychiatry</i> , 2020, 11, 83.	2.6	5
48	Is short-term memory capacity ( $7\hat{A}\pm 2$ ) really predicted by theta to gamma cycle length ratio?. <i>Behavioural Brain Research</i> , 2021, 414, 113465.	2.2	5
49	Latent Schizencephaly With Psychotic Phenotype or Schizophrenia With Schizencephaly? A Case Report and Review of the Literature. <i>Clinical EEG and Neuroscience</i> , 2019, 50, 13-19.	1.7	4
50	Simultaneous fMRI-EEG-Based Characterisation of NREM Parasomnia Disease: Methods and Limitations. <i>Diagnostics</i> , 2020, 10, 1087.	2.6	4
51	The way ahead for predictive EEG biomarkers in treatment of depression. <i>Clinical Neurophysiology</i> , 2021, 132, 616-617.	1.5	4
52	Frames of reference and their neural correlates within navigation in a 3D environment. <i>Visual Neuroscience</i> , 2012, 29, 183-191.	1.0	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. <i>Journal of Personalized Medicine</i> , 2022, 12, 1004.	2.5	3
54	Electromagnetic Modeling of Rat's Brain: Comparison of Models and Solvers. , 2018, , .		1

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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 resolution brain tomography) / Overlock Tj ETQq0 0 0 rgBT / Overlock 10 Tf 5	0.2	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.	0.2	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.	0.2	0
59	Electrophysiological effect of low-frequency rTMS in schizophrenic patients with auditory hallucinations. European Psychiatry, 2008, 23, S286.	0.2	0
60	Differences in brain electrical activity after the cerebellar hemisphere and the vermis rTMS. European Psychiatry, 2008, 23, S287-S288.	0.2	0
61	Prediction of Response to Bupropion Treatment - the Early Change of Prefrontal QEEG Cordance. Open Label Study. European Psychiatry, 2009, 24, .	0.2	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.	0.7	0
63	Different impact of t.gondii seropositivity on the brain morphometry in schizophrenia and healthy control groups. European Psychiatry, 2011, 26, 2124-2124.	0.2	0
64	P.3.020 How ketamine changes the neurophysiology of depressive patients' brains: a randomised controlled trial. European Neuropsychopharmacology, 2011, 21, S75.	0.7	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.	0.7	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.	0.2	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.	0.2	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.	0.9	0
71	Extraction and Evaluation of EEG Covariates and Their Influence on GLM Model. , 2021, , .		0