

# Jerzy Bodurka

## List of Publications by Year in descending order

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Version: 2024-02-01

86  
papers

5,582  
citations

87723

38  
h-index

88477

70  
g-index

95  
all docs

95  
docs citations

95  
times ranked

6109  
citing authors

#	ARTICLE	IF	CITATIONS
1	How long to scan? The relationship between fMRI temporal signal to noise ratio and necessary scan duration. <i>NeuroImage</i> , 2007, 34, 565-574.	2.1	359
2	Major Depressive Disorder Is Associated With Abnormal Interoceptive Activity and Functional Connectivity in the Insula. <i>Biological Psychiatry</i> , 2014, 76, 258-266.	0.7	339
3	Self-Regulation of Amygdala Activation Using Real-Time fMRI Neurofeedback. <i>PLoS ONE</i> , 2011, 6, e24522.	1.1	274
4	Spatiotemporal dynamics of the brain at rest – Exploring EEG microstates as electrophysiological signatures of BOLD resting state networks. <i>NeuroImage</i> , 2012, 60, 2062-2072.	2.1	271
5	Randomized Clinical Trial of Real-Time fMRI Amygdala Neurofeedback for Major Depressive Disorder: Effects on Symptoms and Autobiographical Memory Recall. <i>American Journal of Psychiatry</i> , 2017, 174, 748-755.	4.0	260
6	Real-Time fMRI Neurofeedback Training of Amygdala Activity in Patients with Major Depressive Disorder. <i>PLoS ONE</i> , 2014, 9, e88785.	1.1	250
7	Putative Neuroprotective and Neurotoxic Kynurenine Pathway Metabolites Are Associated with Hippocampal and Amygdalar Volumes in Subjects with Major Depressive Disorder. <i>Neuropsychopharmacology</i> , 2015, 40, 463-471.	2.8	199
8	Consensus on the reporting and experimental design of clinical and cognitive-behavioural neurofeedback studies (CRED-nf checklist). <i>Brain</i> , 2020, 143, 1674-1685.	3.7	188
9	Self-regulation of human brain activity using simultaneous real-time fMRI and EEG neurofeedback. <i>NeuroImage</i> , 2014, 85, 985-995.	2.1	184
10	Reduction of kynurenic acid to quinolinic acid ratio in both the depressed and remitted phases of major depressive disorder. <i>Brain, Behavior, and Immunity</i> , 2015, 46, 55-59.	2.0	162
11	Depression-Related Increases and Decreases in Appetite: Dissociable Patterns of Aberrant Activity in Reward and Interoceptive Neurocircuitry. <i>American Journal of Psychiatry</i> , 2016, 173, 418-428.	4.0	147
12	Relationship between neurotoxic kynurenine metabolites and reductions in right medial prefrontal cortical thickness in major depressive disorder. <i>Brain, Behavior, and Immunity</i> , 2016, 53, 39-48.	2.0	136
13	Prefrontal Control of the Amygdala during Real-Time fMRI Neurofeedback Training of Emotion Regulation. <i>PLoS ONE</i> , 2013, 8, e79184.	1.1	127
14	Correlation between amygdala BOLD activity and frontal EEG asymmetry during real-time fMRI neurofeedback training in patients with depression. <i>NeuroImage: Clinical</i> , 2016, 11, 224-238.	1.4	125
15	Resting-State Functional Connectivity Modulation and Sustained Changes After Real-Time Functional Magnetic Resonance Imaging Neurofeedback Training in Depression. <i>Brain Connectivity</i> , 2014, 4, 690-701.	0.8	122
16	Neuroprotective kynurenine metabolite indices are abnormally reduced and positively associated with hippocampal and amygdalar volume in bipolar disorder. <i>Psychoneuroendocrinology</i> , 2015, 52, 200-211.	1.3	106
17	Correlated slow fluctuations in respiration, EEG, and BOLD fMRI. <i>NeuroImage</i> , 2013, 79, 81-93.	2.1	101
18	Altered task-based and resting-state amygdala functional connectivity following real-time fMRI amygdala neurofeedback training in major depressive disorder. <i>NeuroImage: Clinical</i> , 2018, 17, 691-703.	1.4	97

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19	Appetite changes reveal depression subgroups with distinct endocrine, metabolic, and immune states. <i>Molecular Psychiatry</i> , 2020, 25, 1457-1468.	4.1	95
20	Real-time fMRI neurofeedback training of the amygdala activity with simultaneous EEG in veterans with combat-related PTSD. <i>NeuroImage: Clinical</i> , 2018, 19, 106-121.	1.4	94
21	Real-Time Functional Magnetic Resonance Imaging Amygdala Neurofeedback Changes Positive Information Processing in Major Depressive Disorder. <i>Biological Psychiatry</i> , 2017, 82, 578-586.	0.7	92
22	Tulsa 1000: a naturalistic study protocol for multilevel assessment and outcome prediction in a large psychiatric sample. <i>BMJ Open</i> , 2018, 8, e016620.	0.8	88
23	Predicting Age From Brain EEG Signals—A Machine Learning Approach. <i>Frontiers in Aging Neuroscience</i> , 2018, 10, 184.	1.7	87
24	Activation of the kynurenine pathway is associated with striatal volume in major depressive disorder. <i>Psychoneuroendocrinology</i> , 2015, 62, 54-58.	1.3	80
25	Self-regulation of the anterior insula: Reinforcement learning using real-time fMRI neurofeedback. <i>NeuroImage</i> , 2014, 88, 113-124.	2.1	73
26	Behavioral and Neurophysiological Correlates of Autobiographical Memory Deficits in Patients With Depression and Individuals at High Risk for Depression. <i>JAMA Psychiatry</i> , 2013, 70, 698.	6.0	72
27	Amygdala Activity During Autobiographical Memory Recall in Depressed and Vulnerable Individuals: Association With Symptom Severity and Autobiographical Overgenerality. <i>American Journal of Psychiatry</i> , 2016, 173, 78-89.	4.0	66
28	Altered populations of natural killer cells, cytotoxic T lymphocytes, and regulatory T cells in major depressive disorder: Association with sleep disturbance. <i>Brain, Behavior, and Immunity</i> , 2017, 66, 193-200.	2.0	66
29	Kynurenine pathway metabolites are associated with hippocampal activity during autobiographical memory recall in patients with depression. <i>Brain, Behavior, and Immunity</i> , 2016, 56, 335-342.	2.0	65
30	Reconstructing Large-Scale Brain Resting-State Networks from High-Resolution EEG: Spatial and Temporal Comparisons with fMRI. <i>Brain Connectivity</i> , 2016, 6, 122-135.	0.8	62
31	Amygdala real-time functional magnetic resonance imaging neurofeedback for major depressive disorder: A review. <i>Psychiatry and Clinical Neurosciences</i> , 2018, 72, 466-481.	1.0	60
32	Subject specific BOLD fMRI respiratory and cardiac response functions obtained from global signal. <i>NeuroImage</i> , 2013, 72, 252-264.	2.1	54
33	EEG Microstates Temporal Dynamics Differentiate Individuals with Mood and Anxiety Disorders From Healthy Subjects. <i>Frontiers in Human Neuroscience</i> , 2019, 13, 56.	1.0	54
34	Real-time fMRI amygdala neurofeedback positive emotional training normalized resting-state functional connectivity in combat veterans with and without PTSD: a connectome-wide investigation. <i>NeuroImage: Clinical</i> , 2018, 20, 543-555.	1.4	50
35	Real-time EEG artifact correction during fMRI using ICA. <i>Journal of Neuroscience Methods</i> , 2016, 274, 27-37.	1.3	47
36	Beyond synchrony: the capacity of fMRI hyperscanning for the study of human social interaction. <i>Social Cognitive and Affective Neuroscience</i> , 2021, 16, 84-92.	1.5	46

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37	Connectome-wide investigation of altered resting-state functional connectivity in war veterans with and without posttraumatic stress disorder. <i>NeuroImage: Clinical</i> , 2018, 17, 285-296.	1.4	45
38	B0-fluctuation-induced temporal variation in EPI image series due to the disturbance of steady-state free precession. <i>Magnetic Resonance in Medicine</i> , 2000, 44, 758-765.	1.9	44
39	Kynurenic acid is reduced in females and oral contraceptive users: Implications for depression. <i>Brain, Behavior, and Immunity</i> , 2018, 67, 59-64.	2.0	40
40	Parental influences on neural mechanisms underlying emotion regulation. <i>Trends in Neuroscience and Education</i> , 2019, 16, 100118.	1.5	40
41	Emotion self-regulation training in major depressive disorder using simultaneous real-time fMRI and EEG neurofeedback. <i>NeuroImage: Clinical</i> , 2020, 27, 102331.	1.4	40
42	Trait impulsivity is related to ventral ACC and amygdala activity during primary reward anticipation. <i>Social Cognitive and Affective Neuroscience</i> , 2015, 10, 36-42.	1.5	38
43	Identification and replication of RNA-Seq gene network modules associated with depression severity. <i>Translational Psychiatry</i> , 2018, 8, 180.	2.4	37
44	Individual Variations in Nucleus Accumbens Responses Associated with Major Depressive Disorder Symptoms. <i>Scientific Reports</i> , 2016, 6, 21227.	1.6	36
45	Real-time fMRI neurofeedback of the mediodorsal and anterior thalamus enhances correlation between thalamic BOLD activity and alpha EEG rhythm. <i>Human Brain Mapping</i> , 2018, 39, 1024-1042.	1.9	36
46	Contrast enhancement by combining T1- and T2-weighted structural brain MR Images. <i>Magnetic Resonance in Medicine</i> , 2015, 74, 1609-1620.	1.9	34
47	Tracking resting state connectivity dynamics in veterans with PTSD. <i>NeuroImage: Clinical</i> , 2018, 19, 260-270.	1.4	33
48	Real-time fMRI processing with physiological noise correction – Comparison with off-line analysis. <i>Journal of Neuroscience Methods</i> , 2015, 256, 117-121.	1.3	27
49	Can we predict real-time fMRI neurofeedback learning success from pretraining brain activity?. <i>Human Brain Mapping</i> , 2020, 41, 3839-3854.	1.9	27
50	Automatic EEG-assisted retrospective motion correction for fMRI (aE-REMCOR). <i>NeuroImage</i> , 2016, 129, 133-147.	2.1	26
51	The Neural Bases of Interoceptive Encoding and Recall in Healthy Adults and Adults With Depression. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2018, 3, 546-554.	1.1	24
52	Connectome-wide search for functional connectivity locus associated with pathological rumination as a target for real-time fMRI neurofeedback intervention. <i>NeuroImage: Clinical</i> , 2020, 26, 102244.	1.4	24
53	Predictors of real-time fMRI neurofeedback performance and improvement – A machine learning mega-analysis. <i>NeuroImage</i> , 2021, 237, 118207.	2.1	22
54	EEG-assisted retrospective motion correction for fMRI: E-REMCOR. <i>NeuroImage</i> , 2012, 63, 698-712.	2.1	21

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55	Effects of simultaneous real-time fMRI and EEG neurofeedback in major depressive disorder evaluated with brain electromagnetic tomography. <i>NeuroImage: Clinical</i> , 2020, 28, 102459.	1.4	21
56	Functional Neuroimaging Correlates of Autobiographical Memory Deficits in Subjects at Risk for Depression. <i>Brain Sciences</i> , 2015, 5, 144-164.	1.1	18
57	Self-regulation of ventromedial prefrontal cortex activation using real-time fMRI neurofeedback—Influence of default mode network. <i>Human Brain Mapping</i> , 2020, 41, 342-352.	1.9	18
58	Real-time fMRI neurofeedback amygdala training may influence kynurenine pathway metabolism in major depressive disorder. <i>NeuroImage: Clinical</i> , 2021, 29, 102559.	1.4	16
59	Prevent breaking bad: A proof of concept study of rebalancing the brain's rumination circuit with real-time fMRI functional connectivity neurofeedback. <i>Human Brain Mapping</i> , 2021, 42, 922-940.	1.9	15
60	Hippocampal volume recovery with real-time functional MRI amygdala neurofeedback emotional training for posttraumatic stress disorder. <i>Journal of Affective Disorders</i> , 2021, 283, 229-235.	2.0	14
61	Taking the body off the mind: Decreased functional connectivity between somatomotor and default-mode networks following Floatation-REST. <i>Human Brain Mapping</i> , 2021, 42, 3216-3227.	1.9	14
62	Automated pipeline for EEG artifact reduction (APPEAR) recorded during fMRI. <i>Journal of Neural Engineering</i> , 2021, 18, 0460b4.	1.8	13
63	Amygdala activity during autobiographical memory recall as a biomarker for residual symptoms in patients remitted from depression. <i>Psychiatry Research - Neuroimaging</i> , 2016, 248, 159-161.	0.9	12
64	Diagnosis-independent loss of T-cell costimulatory molecules in individuals with cytomegalovirus infection. <i>Brain, Behavior, and Immunity</i> , 2020, 87, 795-803.	2.0	12
65	Brain activity mediators of PTSD symptom reduction during real-time fMRI amygdala neurofeedback emotional training. <i>NeuroImage: Clinical</i> , 2019, 24, 102047.	1.4	11
66	The Effect of Mineralocorticoid and Glucocorticoid Receptor Antagonism on Autobiographical Memory Recall and Amygdala Response to Implicit Emotional Stimuli. <i>International Journal of Neuropsychopharmacology</i> , 2016, 19, pyw036.	1.0	9
67	Automatic cardiac cycle determination directly from EEG-fMRI data by multi-scale peak detection method. <i>Journal of Neuroscience Methods</i> , 2018, 304, 168-184.	1.3	9
68	P300 amplitude during a monetary incentive delay task predicts future therapy completion in individuals with major depressive disorder. <i>Journal of Affective Disorders</i> , 2021, 295, 873-882.	2.0	9
69	Neurofeedback-Augmented Mindfulness Training Elicits Distinct Responses in the Subregions of the Insular Cortex in Healthy Adolescents. <i>Brain Sciences</i> , 2022, 12, 363.	1.1	9
70	Improved autoregressive model for correction of noise serial correlation in fast fMRI. <i>Magnetic Resonance in Medicine</i> , 2020, 84, 1293-1305.	1.9	8
71	The impact of real-time fMRI denoising on online evaluation of brain activity and functional connectivity. <i>Journal of Neural Engineering</i> , 2021, 18, 046092.	1.8	8
72	Always on my mind: Cross-brain associations of mental health symptoms during simultaneous parent-child scanning. <i>Developmental Cognitive Neuroscience</i> , 2019, 40, 100729.	1.9	7

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73	Effects of Parent Emotion Socialization on the Neurobiology Underlying Adolescent Emotion Processing: A Multimethod fMRI Study. <i>Research on Child and Adolescent Psychopathology</i> , 2020, 50, 149-161.	1.4	7
74	Self-regulation of the posterior cingulate cortex with real-time fMRI neurofeedback augmented mindfulness training in healthy adolescents: A nonrandomized feasibility study. <i>Cognitive, Affective and Behavioral Neuroscience</i> , 2022, 22, 849-867.	1.0	7
75	TEAMwork: Testing Emotional Attunement and Mutuality During Parent-Adolescent fMRI. <i>Frontiers in Human Neuroscience</i> , 2020, 14, 24.	1.0	6
76	Integration of Simultaneous Resting-State Electroencephalography, Functional Magnetic Resonance Imaging, and Eye-Tracker Methods to Determine and Verify Electroencephalography Vigilance Measure. <i>Brain Connectivity</i> , 2020, 10, 535-546.	0.8	5
77	Common Data Elements, Scalable Data Management Infrastructure, and Analytics Workflows for Large-Scale Neuroimaging Studies. <i>Frontiers in Psychiatry</i> , 2021, 12, 682495.	1.3	5
78	Machine Learning Evidence for Sex Differences Consistently Influences Resting-State fMRI Fluctuations Across Multiple Independently-Acquired Datasets. <i>Brain Connectivity</i> , 2021, , .	0.8	5
79	An automatic ICA-based method for removing artifacts from EEG data acquired during fMRI in real time. , 2015, , .		4
80	Cardiorespiratory noise correction improves the ASL signal. <i>Human Brain Mapping</i> , 2018, 39, 2353-2367.	1.9	4
81	Neural Responses to Truth Telling and Risk Propensity under Asymmetric Information. <i>PLoS ONE</i> , 2015, 10, e0137014.	1.1	4
82	B0-fluctuation-induced temporal variation in EPI image series due to the disturbance of steady-state free precession. , 2000, 44, 758.		2
83	A Library for fMRI Real-Time Processing Systems in Python (RTPSpy) With Comprehensive Online Noise Reduction, Fast and Accurate Anatomical Image Processing, and Online Processing Simulation. <i>Frontiers in Neuroscience</i> , 2022, 16, 834827.	1.4	2
84	Canonical EEG microstates transitions reflect switching among BOLD resting state networks and predict fMRI signal. <i>Journal of Neural Engineering</i> , 2021, 18, 066051.	1.8	2
85	POLARITY INVARIANT TRANSFORMATION FOR EEG MICROSTATES ANALYSIS. , 2018, , .		0
86	Linking amygdala blood oxygenation-level-dependent (BOLD) activity and frontal EEG in depression. , 2021, , 301-310.		0