Jerzy Bodurka

List of Publications by Year
in descending order

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	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. Frontiers in Neuroscience, 2022, 16, 834827.	1.4	2
2	Neurofeedback-Augmented Mindfulness Training Elicits Distinct Responses in the Subregions of the Insular Cortex in Healthy Adolescents. Brain Sciences, 2022, 12, 363.	1.1	9
3	Self-regulation of the posterior cingulate cortex with real-time fMRI neurofeedback augmented mindfulness training in healthy adolescents: A nonrandomized feasibility study. Cognitive, Affective and Behavioral Neuroscience, 2022, 22, 849-867.	1.0	7
4	Prevent breaking bad: A proof of concept study of rebalancing the brain's rumination circuit with real‐time fMRI functional connectivity neurofeedback. Human Brain Mapping, 2021, 42, 922-940.	1.9	15
5	Beyond synchrony: the capacity of fMRI hyperscanning for the study of human social interaction. Social Cognitive and Affective Neuroscience, 2021, 16, 84-92.	1.5	46
6	Real-time fMRI neurofeedback amygdala training may influence kynurenine pathway metabolism in major depressive disorder. NeuroImage: Clinical, 2021, 29, 102559.	1.4	16
7	Hippocampal volume recovery with real-time functional MRI amygdala neurofeedback emotional training for posttraumatic stress disorder. Journal of Affective Disorders, 2021, 283, 229-235.	2.0	14
8	Taking the body off the mind: Decreased functional connectivity between somatomotor and default‐mode networks following Floatation‐REST. Human Brain Mapping, 2021, 42, 3216-3227.	1.9	14
9	The impact of real-time fMRI denoising on online evaluation of brain activity and functional connectivity. Journal of Neural Engineering, 2021, 18, 046092.	1.8	8
10	Common Data Elements, Scalable Data Management Infrastructure, and Analytics Workflows for Large-Scale Neuroimaging Studies. Frontiers in Psychiatry, 2021, 12, 682495.	1.3	5
11	Machine Learning Evidence for Sex Differences Consistently Influences Resting-State fMRI Fluctuations Across Multiple Independently-Acquired Datasets. Brain Connectivity, 2021, , .	0.8	5
12	Automated pipeline for EEG artifact reduction (APPEAR) recorded during fMRI. Journal of Neural Engineering, 2021, 18, 0460b4.	1.8	13
13	Predictors of real-time fMRI neurofeedback performance and improvement â€" A machine learning mega-analysis. NeuroImage, 2021, 237, 118207.	2.1	22
14	P300 amplitude during a monetary incentive delay task predicts future therapy completion in individuals with major depressive disorder. Journal of Affective Disorders, 2021, 295, 873-882.	2.0	9
15	Linking amygdala blood oxygenation-level-dependent (BOLD) activity and frontal EEG in depression. , 2021, , 301-310.		0
16	Canonical EEG microstates transitions reflect switching among BOLD resting state networks and predict fMRI signal. Journal of Neural Engineering, 2021, 18, 066051.	1.8	2
17	Appetite changes reveal depression subgroups with distinct endocrine, metabolic, and immune states. Molecular Psychiatry, 2020, 25, 1457-1468.	4.1	95
18	Self‐regulation of ventromedial prefrontal cortex activation using real‐time fMRI neurofeedbackâ€"Influence of default mode network. Human Brain Mapping, 2020, 41, 342-352.	1.9	18

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19	Effects of simultaneous real-time fMRI and EEG neurofeedback in major depressive disorder evaluated with brain electromagnetic tomography. NeuroImage: Clinical, 2020, 28, 102459.	1.4	21
20	Integration of Simultaneous Resting-State Electroencephalography, Functional Magnetic Resonance Imaging, and Eye-Tracker Methods to Determine and Verify Electroencephalography Vigilance Measure. Brain Connectivity, 2020, 10, 535-546.	0.8	5
21	Can we predict real‐time <scp>fMRI</scp> neurofeedback learning success from pretraining brain activity?. Human Brain Mapping, 2020, 41, 3839-3854.	1.9	27
22	Effects of Parent Emotion Socialization on the Neurobiology Underlying Adolescent Emotion Processing: A Multimethod fMRI Study. Research on Child and Adolescent Psychopathology, 2020, 50, 149-161.	1.4	7
23	Consensus on the reporting and experimental design of clinical and cognitive-behavioural neurofeedback studies (CRED-nf checklist). Brain, 2020, 143, 1674-1685.	3.7	188
24	Connectome-wide search for functional connectivity locus associated with pathological rumination as a target for real-time fMRI neurofeedback intervention. NeuroImage: Clinical, 2020, 26, 102244.	1.4	24
25	TEAMwork: Testing Emotional Attunement and Mutuality During Parent-Adolescent fMRI. Frontiers in Human Neuroscience, 2020, 14, 24.	1.0	6
26	Emotion self-regulation training in major depressive disorder using simultaneous real-time fMRI and EEG neurofeedback. NeuroImage: Clinical, 2020, 27, 102331.	1.4	40
27	Improved autoregressive model for correction of noise serial correlation in fast fMRI. Magnetic Resonance in Medicine, 2020, 84, 1293-1305.	1.9	8
28	Diagnosis-independent loss of T-cell costimulatory molecules in individuals with cytomegalovirus infection. Brain, Behavior, and Immunity, 2020, 87, 795-803.	2.0	12
29	Parental influences on neural mechanisms underlying emotion regulation. Trends in Neuroscience and Education, 2019, 16, 100118.	1.5	40
30	Brain activity mediators of PTSD symptom reduction during real-time fMRI amygdala neurofeedback emotional training. NeuroImage: Clinical, 2019, 24, 102047.	1.4	11
31	EEG Microstates Temporal Dynamics Differentiate Individuals with Mood and Anxiety Disorders From Healthy Subjects. Frontiers in Human Neuroscience, 2019, 13, 56.	1.0	54
32	Always on my mind: Cross-brain associations of mental health symptoms during simultaneous parent-child scanning. Developmental Cognitive Neuroscience, 2019, 40, 100729.	1.9	7
33	Real-time fMRI neurofeedback training of the amygdala activity with simultaneous EEG in veterans with combat-related PTSD. NeuroImage: Clinical, 2018, 19, 106-121.	1.4	94
34	Amygdala real‐time functional magnetic resonance imaging neurofeedback for major depressive disorder: A review. Psychiatry and Clinical Neurosciences, 2018, 72, 466-481.	1.0	60
35	Automatic cardiac cycle determination directly from EEG-fMRI data by multi-scale peak detection method. Journal of Neuroscience Methods, 2018, 304, 168-184.	1.3	9
36	Cardiorespiratory noise correction improves the ASL signal. Human Brain Mapping, 2018, 39, 2353-2367.	1.9	4

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37	Altered task-based and resting-state amygdala functional connectivity following real-time fMRI amygdala neurofeedback training in major depressive disorder. NeuroImage: Clinical, 2018, 17, 691-703.	1.4	97
38	Tracking resting state connectivity dynamics in veterans with PTSD. NeuroImage: Clinical, 2018, 19, 260-270.	1.4	33
39	The Neural Bases of Interoceptive Encoding and Recall in Healthy Adults and Adults With Depression. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2018, 3, 546-554.	1.1	24
40	Kynurenic acid is reduced in females and oral contraceptive users: Implications for depression. Brain, Behavior, and Immunity, 2018, 67, 59-64.	2.0	40
41	Real‐time fMRI neurofeedback of the mediodorsal and anterior thalamus enhances correlation between thalamic BOLD activity and alpha EEG rhythm. Human Brain Mapping, 2018, 39, 1024-1042.	1.9	36
42	Connectome-wide investigation of altered resting-state functional connectivity in war veterans with and without posttraumatic stress disorder. NeuroImage: Clinical, 2018, 17, 285-296.	1.4	45
43	POLARITY INVARIANT TRANSFORMATION FOR EEG MICROSTATES ANALYSIS. , 2018, , .		0
44	Identification and replication of RNA-Seq gene network modules associated with depression severity. Translational Psychiatry, 2018, 8, 180.	2.4	37
45	Real-time fMRI amygdala neurofeedback positive emotional training normalized resting-state functional connectivity in combat veterans with and without PTSD: a connectome-wide investigation. NeuroImage: Clinical, 2018, 20, 543-555.	1.4	50
46	Predicting Age From Brain EEG Signals—A Machine Learning Approach. Frontiers in Aging Neuroscience, 2018, 10, 184.	1.7	87
47	Tulsa 1000: a naturalistic study protocol for multilevel assessment and outcome prediction in a large psychiatric sample. BMJ Open, 2018, 8, e016620.	0.8	88
48	Randomized Clinical Trial of Real-Time fMRI Amygdala Neurofeedback for Major Depressive Disorder: Effects on Symptoms and Autobiographical Memory Recall. American Journal of Psychiatry, 2017, 174, 748-755.	4.0	260
49	Real-Time Functional Magnetic Resonance Imaging Amygdala Neurofeedback Changes Positive Information Processing in Major Depressive Disorder. Biological Psychiatry, 2017, 82, 578-586.	0.7	92
50	Altered populations of natural killer cells, cytotoxic T lymphocytes, and regulatory T cells in major depressive disorder: Association with sleep disturbance. Brain, Behavior, and Immunity, 2017, 66, 193-200.	2.0	66
51	Kynurenine pathway metabolites are associated with hippocampal activity during autobiographical memory recall in patients with depression. Brain, Behavior, and Immunity, 2016, 56, 335-342.	2.0	65
52	Real-time EEG artifact correction during fMRI using ICA. Journal of Neuroscience Methods, 2016, 274, 27-37.	1.3	47
53	Individual Variations in Nucleus Accumbens Responses Associated with Major Depressive Disorder Symptoms. Scientific Reports, 2016, 6, 21227.	1.6	36
54	Automatic EEG-assisted retrospective motion correction for fMRI (aE-REMCOR). NeuroImage, 2016, 129, 133-147.	2.1	26

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55	Correlation between amygdala BOLD activity and frontal EEG asymmetry during real-time fMRI neurofeedback training in patients with depression. NeuroImage: Clinical, 2016, 11, 224-238.	1.4	125
56	The Effect of Mineralocorticoid and Glucocorticoid Receptor Antagonism on Autobiographical Memory Recall and Amygdala Response to Implicit Emotional Stimuli. International Journal of Neuropsychopharmacology, 2016, 19, pyw036.	1.0	9
57	Depression-Related Increases and Decreases in Appetite: Dissociable Patterns of Aberrant Activity in Reward and Interoceptive Neurocircuitry. American Journal of Psychiatry, 2016, 173, 418-428.	4.0	147
58	Amygdala activity during autobiographical memory recall as a biomarker for residual symptoms in patients remitted from depression. Psychiatry Research - Neuroimaging, 2016, 248, 159-161.	0.9	12
59	Relationship between neurotoxic kynurenine metabolites and reductions in right medial prefrontal cortical thickness in major depressive disorder. Brain, Behavior, and Immunity, 2016, 53, 39-48.	2.0	136
60	Reconstructing Large-Scale Brain Resting-State Networks from High-Resolution EEG: Spatial and Temporal Comparisons with fMRI. Brain Connectivity, 2016, 6, 122-135.	0.8	62
61	Amygdala Activity During Autobiographical Memory Recall in Depressed and Vulnerable Individuals: Association With Symptom Severity and Autobiographical Overgenerality. American Journal of Psychiatry, 2016, 173, 78-89.	4.0	66
62	Contrast enhancement by combining T1- and T2-weighted structural brain MR Images. Magnetic Resonance in Medicine, 2015, 74, 1609-1620.	1.9	34
63	Activation of the kynurenine pathway is associated with striatal volume in major depressive disorder. Psychoneuroendocrinology, 2015, 62, 54-58.	1.3	80
64	An automatic ICA-based method for removing artifacts from EEG data acquired during fMRI in real time. , 2015, , .		4
65	Reduction of kynurenic acid to quinolinic acid ratio in both the depressed and remitted phases of major depressive disorder. Brain, Behavior, and Immunity, 2015, 46, 55-59.	2.0	162
66	Functional Neuroimaging Correlates of Autobiographical Memory Deficits in Subjects at Risk for Depression. Brain Sciences, 2015, 5, 144-164.	1.1	18
67	Real-time fMRI processing with physiological noise correction â€" Comparison with off-line analysis. Journal of Neuroscience Methods, 2015, 256, 117-121.	1.3	27
68	Neuroprotective kynurenine metabolite indices are abnormally reduced and positively associated with hippocampal and amygdalar volume in bipolar disorder. Psychoneuroendocrinology, 2015, 52, 200-211.	1.3	106
69	Trait impulsivity is related to ventral ACC and amygdala activity during primary reward anticipation. Social Cognitive and Affective Neuroscience, 2015, 10, 36-42.	1.5	38
70	Putative Neuroprotective and Neurotoxic Kynurenine Pathway Metabolites Are Associated with Hippocampal and Amygdalar Volumes in Subjects with Major Depressive Disorder. Neuropsychopharmacology, 2015, 40, 463-471.	2.8	199
71	Neural Responses to Truth Telling and Risk Propensity under Asymmetric Information. PLoS ONE, 2015, 10, e0137014.	1.1	4
72	Real-Time fMRI Neurofeedback Training of Amygdala Activity in Patients with Major Depressive Disorder. PLoS ONE, 2014, 9, e88785.	1.1	250

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73	Resting-State Functional Connectivity Modulation and Sustained Changes After Real-Time Functional Magnetic Resonance Imaging Neurofeedback Training in Depression. Brain Connectivity, 2014, 4, 690-701.	0.8	122
74	Major Depressive Disorder Is Associated With Abnormal Interoceptive Activity and Functional Connectivity in the Insula. Biological Psychiatry, 2014, 76, 258-266.	0.7	339
75	Self-regulation of the anterior insula: Reinforcement learning using real-time fMRI neurofeedback. NeuroImage, 2014, 88, 113-124.	2.1	73
76	Self-regulation of human brain activity using simultaneous real-time fMRI and EEG neurofeedback. NeuroImage, 2014, 85, 985-995.	2.1	184
77	Correlated slow fluctuations in respiration, EEG, and BOLD fMRI. NeuroImage, 2013, 79, 81-93.	2.1	101
78	Subject specific BOLD fMRI respiratory and cardiac response functions obtained from global signal. NeuroImage, 2013, 72, 252-264.	2.1	54
79	Behavioral and Neurophysiological Correlates of Autobiographical Memory Deficits in Patients With Depression and Individuals at High Risk for Depression. JAMA Psychiatry, 2013, 70, 698.	6.0	72
80	Prefrontal Control of the Amygdala during Real-Time fMRI Neurofeedback Training of Emotion Regulation. PLoS ONE, 2013, 8, e79184.	1.1	127
81	Spatiotemporal dynamics of the brain at rest â€" Exploring EEG microstates as electrophysiological signatures of BOLD resting state networks. NeuroImage, 2012, 60, 2062-2072.	2.1	271
82	EEG-assisted retrospective motion correction for fMRI: E-REMCOR. NeuroImage, 2012, 63, 698-712.	2.1	21
83	Self-Regulation of Amygdala Activation Using Real-Time fMRI Neurofeedback. PLoS ONE, 2011, 6, e24522.	1.1	274
84	How long to scan? The relationship between fMRI temporal signal to noise ratio and necessary scan duration. NeuroImage, 2007, 34, 565-574.	2.1	359
85	B0-fluctuation-induced temporal variation in EPI image series due to the disturbance of steady-state free precession. Magnetic Resonance in Medicine, 2000, 44, 758-765.	1.9	44
86	B0-fluctuation-induced temporal variation in EPI image series due to the disturbance of steady-state free precession. , 2000, 44, 758.		2