

Vadim S Zotev

List of Publications by Year in descending order

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50
papers

3,849
citations

172207

29
h-index

214527

47
g-index

53
all docs

53
docs citations

53
times ranked

3651
citing authors

#	ARTICLE	IF	CITATIONS
1	Interoception and Mental Health: A Roadmap. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2018, 3, 501-513.	1.1	524
2	Self-Regulation of Amygdala Activation Using Real-Time fMRI Neurofeedback. <i>PLoS ONE</i> , 2011, 6, e24522.	1.1	274
3	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
4	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
5	Real-Time fMRI Neurofeedback Training of Amygdala Activity in Patients with Major Depressive Disorder. <i>PLoS ONE</i> , 2014, 9, e88785.	1.1	250
6	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
7	Self-regulation of human brain activity using simultaneous real-time fMRI and EEG neurofeedback. <i>NeuroImage</i> , 2014, 85, 985-995.	2.1	184
8	Microtesla MRI of the human brain combined with MEG. <i>Journal of Magnetic Resonance</i> , 2008, 194, 115-120.	1.2	159
9	Prefrontal Control of the Amygdala during Real-Time fMRI Neurofeedback Training of Emotion Regulation. <i>PLoS ONE</i> , 2013, 8, e79184.	1.1	127
10	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
11	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
12	Correlated slow fluctuations in respiration, EEG, and BOLD fMRI. <i>NeuroImage</i> , 2013, 79, 81-93.	2.1	101
13	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
14	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
15	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
16	SQUID-based instrumentation for ultralow-field MRI. <i>Superconductor Science and Technology</i> , 2007, 20, S367-S373.	1.8	85
17	Parallel MRI at microtesla fields. <i>Journal of Magnetic Resonance</i> , 2008, 192, 197-208.	1.2	65
18	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

#	ARTICLE	IF	CITATIONS
19	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
20	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
21	SQUID-Based Microtesla MRI for In Vivo Relaxometry of the Human Brain. <i>IEEE Transactions on Applied Superconductivity</i> , 2009, 19, 823-826.	1.1	50
22	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
23	Real-time EEG artifact correction during fMRI using ICA. <i>Journal of Neuroscience Methods</i> , 2016, 274, 27-37.	1.3	47
24	Multi-Channel SQUID System for MEG and Ultra-Low-Field MRI. <i>IEEE Transactions on Applied Superconductivity</i> , 2007, 17, 839-842.	1.1	45
25	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
26	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
27	Microtesla MRI with dynamic nuclear polarization. <i>Journal of Magnetic Resonance</i> , 2010, 207, 78-88.	1.2	39
28	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
29	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
30	Tracking resting state connectivity dynamics in veterans with PTSD. <i>NeuroImage: Clinical</i> , 2018, 19, 260-270.	1.4	33
31	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
32	Automatic EEG-assisted retrospective motion correction for fMRI (aE-REMCOR). <i>NeuroImage</i> , 2016, 129, 133-147.	2.1	26
33	Applications of Ultra-Low Field Magnetic Resonance for Imaging and Materials Studies. <i>IEEE Transactions on Applied Superconductivity</i> , 2009, 19, 835-838.	1.1	23
34	EEG-assisted retrospective motion correction for fMRI: E-REMCOR. <i>NeuroImage</i> , 2012, 63, 698-712.	2.1	21
35	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
36	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

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37	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
38	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
39	Automated pipeline for EEG artifact reduction (APPEAR) recorded during fMRI. <i>Journal of Neural Engineering</i> , 2021, 18, 0460b4.	1.8	13
40	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
41	Toward SQUID-Based Direct Measurement of Neural Currents by Nuclear Magnetic Resonance. <i>IEEE Transactions on Applied Superconductivity</i> , 2007, 17, 854-857.	1.1	9
42	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
43	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
44	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
45	An automatic ICA-based method for removing artifacts from EEG data acquired during fMRI in real time. , 2015, , .		4
46	Using ultra-low field nuclear magnetic resonance for direct neural current measurements. <i>International Congress Series</i> , 2007, 1300, 582-585.	0.2	2
47	Multi-sensor system for simultaneous ultra-low-field MRI and MEG. <i>International Congress Series</i> , 2007, 1300, 631-634.	0.2	2
48	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
49	POLARITY INVARIANT TRANSFORMATION FOR EEG MICROSTATES ANALYSIS. , 2018, , .		0
50	Linking amygdala blood oxygenation-level-dependent (BOLD) activity and frontal EEG in depression. , 2021, , 301-310.		0