

Masaya Misaki

List of Publications by Year in descending order

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83
papers

3,267
citations

201674

27
h-index

168389

53
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95
all docs

95
docs citations

95
times ranked

4093
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. <i>Frontiers in Neuroscience</i> , 2022, 16, 834827.	2.8	2
2	Neurofeedback-Augmented Mindfulness Training Elicits Distinct Responses in the Subregions of the Insular Cortex in Healthy Adolescents. <i>Brain Sciences</i> , 2022, 12, 363.	2.3	9
3	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.	2.0	7
4	Real-Time Functional Magnetic Resonance Imaging Dyadic Neurofeedback for Emotion Regulation: A Proof-of-Concept Study. <i>Frontiers in Human Neuroscience</i> , 2022, 16, .	2.0	2
5	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.	3.6	15
6	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.	3.0	46
7	Real-time fMRI neurofeedback amygdala training may influence kynurenine pathway metabolism in major depressive disorder. <i>NeuroImage: Clinical</i> , 2021, 29, 102559.	2.7	16
8	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.	4.1	14
9	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.	3.6	14
10	Effect of Left-Amygdala fMRI Neurofeedback Positive Emotion Training on Immune Mediators in Major Depressive Disorder. <i>Biological Psychiatry</i> , 2021, 89, S212.	1.3	0
11	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.	3.5	8
12	Common Data Elements, Scalable Data Management Infrastructure, and Analytics Workflows for Large-Scale Neuroimaging Studies. <i>Frontiers in Psychiatry</i> , 2021, 12, 682495.	2.6	5
13	Machine Learning Evidence for Sex Differences Consistently Influences Resting-State fMRI Fluctuations Across Multiple Independently-Acquired Datasets. <i>Brain Connectivity</i> , 2021, , .	1.7	5
14	Into the Unknown: Examining Neural Representations of Parent-Adolescent Interactions. <i>Child Development</i> , 2021, 92, e1361-e1376.	3.0	11
15	Canonical EEG microstates transitions reflect switching among BOLD resting state networks and predict fMRI signal. <i>Journal of Neural Engineering</i> , 2021, 18, 066051.	3.5	2
16	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.	3.6	18
17	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.	1.7	5
18	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.	2.3	7

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19	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.	2.7	24
20	TEAMwork: Testing Emotional Attunement and Mutuality During Parent-Adolescent fMRI. <i>Frontiers in Human Neuroscience</i> , 2020, 14, 24.	2.0	6
21	Emotion self-regulation training in major depressive disorder using simultaneous real-time fMRI and EEG neurofeedback. <i>NeuroImage: Clinical</i> , 2020, 27, 102331.	2.7	40
22	Default Mode Network Remodels Frontoparietal Network in Self-Referential Task. <i>Biological Psychiatry</i> , 2020, 87, S158-S159.	1.3	2
23	Improved autoregressive model for correction of noise serial correlation in fast fMRI. <i>Magnetic Resonance in Medicine</i> , 2020, 84, 1293-1305.	3.0	8
24	T144. Targeted vmPFC Modulation With fMRI Neurofeedback Changes Functional Connectivity in Depression. <i>Biological Psychiatry</i> , 2019, 85, S185.	1.3	0
25	S83. Mood and Anxiety Disorders Affect Brain Temporal Dynamics Evidence From EEG Microstates. <i>Biological Psychiatry</i> , 2019, 85, S329.	1.3	0
26	F44. Simultaneous EEG-fMRI-Eye Tracker Measurements for Determining Subject's Vigilance During Resting-State fMRI. <i>Biological Psychiatry</i> , 2019, 85, S229.	1.3	0
27	Brain activity mediators of PTSD symptom reduction during real-time fMRI amygdala neurofeedback emotional training. <i>NeuroImage: Clinical</i> , 2019, 24, 102047.	2.7	11
28	F75. How Many Sessions Needed for fMRI Neurofeedback Training to Increase Amygdala Activity and to Influence Functional Connectivity?. <i>Biological Psychiatry</i> , 2019, 85, S241-S242.	1.3	0
29	EEG Microstates Temporal Dynamics Differentiate Individuals with Mood and Anxiety Disorders From Healthy Subjects. <i>Frontiers in Human Neuroscience</i> , 2019, 13, 56.	2.0	54
30	Always on my mind: Cross-brain associations of mental health symptoms during simultaneous parent-child scanning. <i>Developmental Cognitive Neuroscience</i> , 2019, 40, 100729.	4.0	7
31	Latent variable analysis of negative affect and its contributions to neural responses during shock anticipation. <i>Neuropsychopharmacology</i> , 2019, 44, 695-702.	5.4	14
32	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.	2.7	94
33	Amygdala real-time functional magnetic resonance imaging neurofeedback for major depressive disorder: A review. <i>Psychiatry and Clinical Neurosciences</i> , 2018, 72, 466-481.	1.8	60
34	Treatment of bipolar depression with minocycline and/or aspirin: an adaptive, 2-2 double-blind, randomized, placebo-controlled, phase IIA clinical trial. <i>Translational Psychiatry</i> , 2018, 8, 27.	4.8	105
35	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.	2.7	97
36	Tracking resting state connectivity dynamics in veterans with PTSD. <i>NeuroImage: Clinical</i> , 2018, 19, 260-270.	2.7	33

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37	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.	3.6	36
38	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.	2.7	45
39	Identification and replication of RNA-Seq gene network modules associated with depression severity. <i>Translational Psychiatry</i> , 2018, 8, 180.	4.8	37
40	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.	2.7	50
41	F128. Transcriptomics of Brain Age Gap Estimate (BrainAGE): Association Analysis of Depressed and Healthy Individuals. <i>Biological Psychiatry</i> , 2018, 83, S287.	1.3	1
42	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.	7.2	260
43	Differential privacy-based evaporative cooling feature selection and classification with relief-F and random forests. <i>Bioinformatics</i> , 2017, 33, 2906-2913.	4.1	24
44	Real-Time Functional Magnetic Resonance Imaging Amygdala Neurofeedback Changes Positive Information Processing in Major Depressive Disorder. <i>Biological Psychiatry</i> , 2017, 82, 578-586.	1.3	92
45	Recruitment of orbitofrontal cortex during unpredictable threat among adults at risk for affective disorders. <i>Brain and Behavior</i> , 2017, 7, e00757.	2.2	11
46	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.	4.1	66
47	Sex differences in neural responses to subliminal sad and happy faces in healthy individuals: Implications for depression. <i>Journal of Neuroscience Research</i> , 2017, 95, 703-710.	2.9	13
48	Individual Variations in Nucleus Accumbens Responses Associated with Major Depressive Disorder Symptoms. <i>Scientific Reports</i> , 2016, 6, 21227.	3.3	36
49	Automatic EEG-assisted retrospective motion correction for fMRI (aE-REMCOR). <i>NeuroImage</i> , 2016, 129, 133-147.	4.2	26
50	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.	2.7	125
51	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.	2.1	9
52	Internally-represented space and its mirror-reversed image of the visuospatial representation: A possible association. <i>Medical Hypotheses</i> , 2015, 85, 500-505.	1.5	1
53	Contrast enhancement by combining T1- and T2-weighted structural brain MR Images. <i>Magnetic Resonance in Medicine</i> , 2015, 74, 1609-1620.	3.0	34
54	Increased anterior insula activity in anxious individuals is linked to diminished perceived control. <i>Translational Psychiatry</i> , 2015, 5, e591-e591.	4.8	89

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55	Real-time fMRI processing with physiological noise correction “ Comparison with off-line analysis. Journal of Neuroscience Methods, 2015, 256, 117-121.	2.5	27
56	Neural Responses to Truth Telling and Risk Propensity under Asymmetric Information. PLoS ONE, 2015, 10, e0137014.	2.5	4
57	Real-Time fMRI Neurofeedback Training of Amygdala Activity in Patients with Major Depressive Disorder. PLoS ONE, 2014, 9, e88785.	2.5	250
58	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.	1.7	122
59	Network-dependent modulation of brain activity during sleep. NeuroImage, 2014, 98, 1-10.	4.2	44
60	Dissociation in accessing space and number representations in pathologic pain patients. Brain and Cognition, 2014, 90, 151-156.	1.8	25
61	Self-regulation of human brain activity using simultaneous real-time fMRI and EEG neurofeedback. NeuroImage, 2014, 85, 985-995.	4.2	184
62	The effect of spatial smoothing on fMRI decoding of columnar-level organization with linear support vector machine. Journal of Neuroscience Methods, 2013, 212, 355-361.	2.5	35
63	Accurate decoding of sub-TR timing differences in stimulations of sub-voxel regions from multi-voxel response patterns. NeuroImage, 2013, 66, 623-633.	4.2	11
64	Characterizing and utilizing fMRI fluctuations, patterns, and dynamics. , 2013, , .		0
65	Characteristic cortical thickness patterns in adolescents with autism spectrum disorders: Interactions with age and intellectual ability revealed by canonical correlation analysis. NeuroImage, 2012, 60, 1890-1901.	4.2	41
66	Connectivity pattern changes in default-mode network with deep non-REM and REM sleep. Neuroscience Research, 2011, 69, 322-330.	1.9	105
67	Activation in left primary visual cortex representing parafoveal visual field during reading Japanese texts. Brain Research, 2011, 1408, 72-80.	2.2	0
68	Comparison of multivariate classifiers and response normalizations for pattern-information fMRI. NeuroImage, 2010, 53, 103-118.	4.2	419
69	Human brain activity time-locked to rapid eye movements during REM sleep. Experimental Brain Research, 2009, 192, 657-667.	1.5	158
70	Objective perimetry using functional magnetic resonance imaging in patients with visual field loss. Experimental Neurology, 2009, 217, 401-406.	4.1	9
71	Two temporal channels in human V1 identified using fMRI. NeuroImage, 2009, 47, 273-280.	4.2	37
72	Different modulation of medial superior temporal activity across saccades: a functional magnetic resonance imaging study. NeuroReport, 2008, 19, 133-137.	1.2	5

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73	Eye Position Estimation During Sleep Using Infrared Video in Functional MRI. Journal of Advanced Computational Intelligence and Intelligent Informatics, 2008, 12, 32-40.	0.9	1
74	Estimation of visual axis during sleep by analyzing infrared video using artificial neural network. , 2007, , .		0
75	Functional Distribution in Area V1 Revealed by Spatially Uniform Stimuli. Neuro-Ophthalmology, 2007, 31, 179-185.	1.0	0
76	Training Artificial Neural Network using MR images for Visual Axes Estimation during Sleep. , 2007, , .		1
77	Mirror symmetrical transfer of perceptual learning by prism adaptation. Vision Research, 2007, 47, 1350-1361.	1.4	11
78	Bilateral long-range interaction between right and left visual hemifield. Vision Research, 2007, 47, 1490-1503.	1.4	4
79	Application of artificial neural network to fMRI regression analysis. NeuroImage, 2006, 29, 396-408.	4.2	13
80	The influence of category knowledge on visual recognition and its functional role. Electronics and Communications in Japan, Part III: Fundamental Electronic Science (English Translation of Denshi) Tj ETQq0 0 0 rgB0, Overlock 10 Tf 50		
81	Asymmetric activation to the context-dependent right in the right inferior frontal region. European Journal of Neuroscience, 2004, 19, 1425-1429.	2.6	2
82	Neural mechanisms of spatial stimulus?response compatibility: the effect of crossed-hand position. Experimental Brain Research, 2004, 158, 9-17.	1.5	29
83	Dorsal visual cortex activity elicited by posture change in a visuo-tactile matching task. NeuroReport, 2002, 13, 1797-1800.	1.2	16