

Janaina Mourao-Miranda

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69
papers

4,867
citations

30
h-index

69
g-index

79
ext. papers

5,665
ext. citations

5.4
avg, IF

5.27
L-index

#	Paper	IF	Citations
69	Classifying brain states and determining the discriminating activation patterns: Support Vector Machine on functional MRI data. <i>NeuroImage</i> , 2005 , 28, 980-95	7.9	536
68	The neural correlates of moral sensitivity: a functional magnetic resonance imaging investigation of basic and moral emotions. <i>Journal of Neuroscience</i> , 2002 , 22, 2730-6	6.6	534
67	Investigating the predictive value of whole-brain structural MR scans in autism: a pattern classification approach. <i>NeuroImage</i> , 2010 , 49, 44-56	7.9	308
66	Describing the brain in autism in five dimensions--magnetic resonance imaging-assisted diagnosis of autism spectrum disorder using a multiparameter classification approach. <i>Journal of Neuroscience</i> , 2010 , 30, 10612-23	6.6	303
65	PRoNT: pattern recognition for neuroimaging toolbox. <i>Neuroinformatics</i> , 2013 , 11, 319-37	3.2	268
64	Pattern classification of sad facial processing: toward the development of neurobiological markers in depression. <i>Biological Psychiatry</i> , 2008 , 63, 656-62	7.9	264
63	Automated detection of brain atrophy patterns based on MRI for the prediction of Alzheimer's disease. <i>NeuroImage</i> , 2010 , 50, 162-74	7.9	230
62	Diagnostic neuroimaging across diseases. <i>NeuroImage</i> , 2012 , 61, 457-63	7.9	199
61	Quantitative prediction of subjective pain intensity from whole-brain fMRI data using Gaussian processes. <i>NeuroImage</i> , 2010 , 49, 2178-89	7.9	179
60	Bayesian decoding of brain images. <i>NeuroImage</i> , 2008 , 39, 181-205	7.9	155
59	Sparse network-based models for patient classification using fMRI. <i>NeuroImage</i> , 2015 , 105, 493-506	7.9	111
58	Integrating neurobiological markers of depression. <i>Archives of General Psychiatry</i> , 2011 , 68, 361-8		109
57	Neural correlates of sad faces predict clinical remission to cognitive behavioural therapy in depression. <i>NeuroReport</i> , 2009 , 20, 637-41	1.7	108
56	The impact of temporal compression and space selection on SVM analysis of single-subject and multi-subject fMRI data. <i>NeuroImage</i> , 2006 , 33, 1055-65	7.9	103
55	Individualized prediction of illness course at the first psychotic episode: a support vector machine MRI study. <i>Psychological Medicine</i> , 2012 , 42, 1037-47	6.9	100
54	Neuroanatomy of verbal working memory as a diagnostic biomarker for depression. <i>NeuroReport</i> , 2008 , 19, 1507-11	1.7	100
53	Dynamic discrimination analysis: a spatial-temporal SVM. <i>NeuroImage</i> , 2007 , 36, 88-99	7.9	98

52	Contributions of stimulus valence and arousal to visual activation during emotional perception. <i>NeuroImage</i> , 2003 , 20, 1955-63	7.9	91
51	Patient classification as an outlier detection problem: an application of the One-Class Support Vector Machine. <i>NeuroImage</i> , 2011 , 58, 793-804	7.9	88
50	Unsupervised analysis of fMRI data using kernel canonical correlation. <i>NeuroImage</i> , 2007 , 37, 1250-9	7.9	78
49	Pattern classification of working memory networks reveals differential effects of methylphenidate, atomoxetine, and placebo in healthy volunteers. <i>Neuropsychopharmacology</i> , 2011 , 36, 1237-47	8.7	75
48	Making Individual Prognoses in Psychiatry Using Neuroimaging and Machine Learning. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2018 , 3, 798-808	3.4	65
47	Predictive modelling using neuroimaging data in the presence of confounds. <i>NeuroImage</i> , 2017 , 150, 23-49	7.9	59
46	Pattern recognition analyses of brain activation elicited by happy and neutral faces in unipolar and bipolar depression. <i>Bipolar Disorders</i> , 2012 , 14, 451-60	3.8	58
45	Pattern recognition and functional neuroimaging help to discriminate healthy adolescents at risk for mood disorders from low risk adolescents. <i>PLoS ONE</i> , 2012 , 7, e29482	3.7	54
44	Finding the needle in a high-dimensional haystack: Canonical correlation analysis for neuroscientists. <i>NeuroImage</i> , 2020 , 216, 116745	7.9	50
43	SCoRS--A Method Based on Stability for Feature Selection and Mapping in Neuroimaging [corrected]. <i>IEEE Transactions on Medical Imaging</i> , 2014 , 33, 85-98	11.7	46
42	Evaluating SVM and MLDA in the extraction of discriminant regions for mental state prediction. <i>NeuroImage</i> , 2009 , 46, 105-14	7.9	39
41	Automated, high accuracy classification of Parkinsonian disorders: a pattern recognition approach. <i>PLoS ONE</i> , 2013 , 8, e69237	3.7	34
40	Structured Sparsity Models for Brain Decoding from fMRI Data 2012 ,		30
39	Multi-center MRI prediction models: Predicting sex and illness course in first episode psychosis patients. <i>NeuroImage</i> , 2017 , 145, 246-253	7.9	29
38	Dynamic changes in the mental rotation network revealed by pattern recognition analysis of fMRI data. <i>Journal of Cognitive Neuroscience</i> , 2009 , 21, 890-904	3.1	24
37	Decoding negative affect personality trait from patterns of brain activation to threat stimuli. <i>NeuroImage</i> , 2017 , 145, 337-345	7.9	23
36	Decoding intracranial EEG data with multiple kernel learning method. <i>Journal of Neuroscience Methods</i> , 2016 , 261, 19-28	3	22
35	Sparsity Is Better with Stability: Combining Accuracy and Stability for Model Selection in Brain Decoding. <i>Frontiers in Neuroscience</i> , 2017 , 11, 62	5.1	22

34	Utilizing temporal information in fMRI decoding: classifier using kernel regression methods. <i>NeuroImage</i> , 2011 , 58, 560-71	7.9	22
33	A novel approach to probabilistic biomarker-based classification using functional near-infrared spectroscopy. <i>Human Brain Mapping</i> , 2013 , 34, 1102-14	5.9	20
32	A multiple hold-out framework for Sparse Partial Least Squares. <i>Journal of Neuroscience Methods</i> , 2016 , 271, 182-94	3	20
31	Realizing the Clinical Potential of Computational Psychiatry: Report From the Banbury Center Meeting, February 2019. <i>Biological Psychiatry</i> , 2020 , 88, e5-e10	7.9	19
30	Correlation-based multivariate analysis of genetic influence on brain volume. <i>Neuroscience Letters</i> , 2009 , 450, 281-6	3.3	18
29	What does brain response to neutral faces tell us about major depression? evidence from machine learning and fMRI. <i>PLoS ONE</i> , 2013 , 8, e60121	3.7	16
28	An fMRI normative database for connectivity networks using one-class support vector machines. <i>Human Brain Mapping</i> , 2009 , 30, 1068-76	5.9	16
27	Measuring abnormal brains: building normative rules in neuroimaging using one-class support vector machines. <i>Frontiers in Neuroscience</i> , 2012 , 6, 178	5.1	15
26	Can Emotional and Behavioral Dysregulation in Youth Be Decoded from Functional Neuroimaging?. <i>PLoS ONE</i> , 2016 , 11, e0117603	3.7	13
25	Multiple Holdouts With Stability: Improving the Generalizability of Machine Learning Analyses of Brain-Behavior Relationships. <i>Biological Psychiatry</i> , 2020 , 87, 368-376	7.9	11
24	Predicting anxiety from wholebrain activity patterns to emotional faces in young adults: a machine learning approach. <i>NeuroImage: Clinical</i> , 2019 , 23, 101813	5.3	10
23	Fast temporal dynamics and causal relevance of face processing in the human temporal cortex. <i>Nature Communications</i> , 2020 , 11, 656	17.4	10
22	Brain-behaviour modes of covariation in healthy and clinically depressed young people. <i>Scientific Reports</i> , 2019 , 9, 11536	4.9	10
21	The impact of functional connectivity changes on support vector machines mapping of fMRI data. <i>Journal of Neuroscience Methods</i> , 2008 , 172, 94-104	3	9
20	Combining heterogeneous data sources for neuroimaging based diagnosis: re-weighting and selecting what is important. <i>NeuroImage</i> , 2019 , 195, 215-231	7.9	6
19	ABCD Neurocognitive Prediction Challenge 2019: Predicting Individual Fluid Intelligence Scores from Structural MRI Using Probabilistic Segmentation and Kernel Ridge Regression. <i>Lecture Notes in Computer Science</i> , 2019 , 133-142	0.9	6
18	Predicting Bipolar Disorder Risk Factors in Distressed Young Adults From Patterns of Brain Activation to Reward: A Machine Learning Approach. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2019 , 4, 726-733	3.4	5
17	A Comparison of Strategies for Incorporating Nuisance Variables into Predictive Neuroimaging Models 2015 ,		5

16	Will artificial intelligence eventually replace psychiatrists?. <i>British Journal of Psychiatry</i> , 2021 , 218, 131-134	34	5
15	A multimodal multiple kernel learning approach to Alzheimer's disease detection 2016 ,		4
14	Correction to SCoRS: A Method Based on Stability for Feature Selection and Mapping in Neuroimaging [Jan 14 85-98]. <i>IEEE Transactions on Medical Imaging</i> , 2014 , 33, 794-794	11.7	2
13	Multivariate Effect Ranking via Adaptive Sparse PLS 2015 ,		2
12	Sparse Network-Based Models for Patient Classification Using fMRI 2013 ,		2
11	Stability-Based Multivariate Mapping Using SCoRS 2013 ,		2
10	Quantifying the Information Content of Brain Voxels Using Target Information, Gaussian Processes and Recursive Feature Elimination 2010 ,		2
9	A New Feature Selection Method Based on Stability Theory [Exploring Parameters Space to Evaluate Classification Accuracy in Neuroimaging Data. <i>Lecture Notes in Computer Science</i> , 2012 , 51-59	0.9	2
8	How do you perceive threat? It's all in your pattern of brain activity. <i>Brain Imaging and Behavior</i> , 2020 , 14, 2251-2266	4.1	2
7	Evidence For Bias Of Genetic Ancestry In Resting State Functional MRI 2019 ,		1
6	Predicting Numerical Processing in Naturalistic Settings from Controlled Experimental Conditions 2015 ,		1
5	ABCD Neurocognitive Prediction Challenge 2019: Predicting Individual Residual Fluid Intelligence Scores from Cortical Grey Matter Morphology. <i>Lecture Notes in Computer Science</i> , 2019 , 114-123	0.9	1
4	Motor imagery of voluntary coughing: a functional MRI study using a support vector machine. <i>NeuroReport</i> , 2010 , 21, 980-4	1.7	1
3	A hierarchical Bayesian model to find brain-behaviour associations in incomplete data sets.. <i>NeuroImage</i> , 2021 , 249, 118854	7.9	
2	Using Image Stimuli to Drive fMRI Analysis. <i>Lecture Notes in Computer Science</i> , 2007 , 477-486	0.9	
1	Leveraging Clinical Data to Enhance Localization of Brain Atrophy. <i>Lecture Notes in Computer Science</i> , 2016 , 60-68	0.9	