Janaina Mourao-Miranda

List of Publications by Year in Descending Order

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	A hierarchical Bayesian model to find brain-behaviour associations in incomplete data sets.. *NeuroImage*, **2021**, 249, 118854	7.9	
68	Will artificial intelligence eventually replace psychiatrists?. *British Journal of Psychiatry*, **2021**, 218, 131-134	3.4	5
67	Realizing the Clinical Potential of Computational Psychiatry: Report From the Banbury Center Meeting, February 2019. *Biological Psychiatry*, **2020**, 88, e5-e10	7.9	19
66	Fast temporal dynamics and causal relevance of face processing in the human temporal cortex. *Nature Communications*, **2020**, 11, 656	17.4	10
65	Finding the needle in a high-dimensional haystack: Canonical correlation analysis for neuroscientists. *NeuroImage*, **2020**, 216, 116745	7.9	50
64	Multiple Holdouts With Stability: Improving the Generalizability of Machine Learning Analyses of Brain-Behavior Relationships. *Biological Psychiatry*, **2020**, 87, 368-376	7.9	11
63	How do you perceive threat? It's all in your pattern of brain activity. *Brain Imaging and Behavior*, **2020**, 14, 2251-2266	4.1	2
62	Predicting anxiety from wholebrain activity patterns to emotional faces in young adults: a machine learning approach. *NeuroImage: Clinical*, **2019**, 23, 101813	5.3	10
61	Predicting Bipolar Disorder Risk Factors in Distressed Young Adults From Patterns of Brain Activation to Reward: A Machine Learning Approach. *Biological Psychiatry: Cognitive Neuroscience and Neuroimaging*, **2019**, 4, 726-733	3.4	5
60	Combining heterogeneous data sources for neuroimaging based diagnosis: re-weighting and selecting what is important. *NeuroImage*, **2019**, 195, 215-231	7.9	6
59	Brain-behaviour modes of covariation in healthy and clinically depressed young people. *Scientific Reports*, **2019**, 9, 11536	4.9	10
58	Evidence For Bias Of Genetic Ancestry In Resting State Functional MRI **2019**,		1
57	ABCD Neurocognitive Prediction Challenge 2019: Predicting Individual Residual Fluid Intelligence Scores from Cortical Grey Matter Morphology. *Lecture Notes in Computer Science*, **2019**, 114-123	0.9	1
56	ABCD Neurocognitive Prediction Challenge 2019: Predicting Individual Fluid Intelligence Scores from Structural MRI Using Probabilistic Segmentation and Kernel Ridge Regression. *Lecture Notes in Computer Science*, **2019**, 133-142	0.9	6
55	Making Individual Prognoses in Psychiatry Using Neuroimaging and Machine Learning. *Biological Psychiatry: Cognitive Neuroscience and Neuroimaging*, **2018**, 3, 798-808	3.4	65
54	Decoding negative affect personality trait from patterns of brain activation to threat stimuli. *NeuroImage*, **2017**, 145, 337-345	7.9	23
53	Predictive modelling using neuroimaging data in the presence of confounds. *NeuroImage*, **2017**, 150, 23-49	7.9	59

52	Multi-center MRI prediction models: Predicting sex and illness course in first episode psychosis patients. *NeuroImage*, **2017**, 145, 246-253	7.9	29
51	Sparsity Is Better with Stability: Combining Accuracy and Stability for Model Selection in Brain Decoding. *Frontiers in Neuroscience*, **2017**, 11, 62	5.1	22
50	A multimodal multiple kernel learning approach to Alzheimer's disease detection **2016**,		4
49	Decoding intracranial EEG data with multiple kernel learning method. *Journal of Neuroscience Methods*, **2016**, 261, 19-28	3	22
48	Can Emotional and Behavioral Dysregulation in Youth Be Decoded from Functional Neuroimaging?. *PLoS ONE*, **2016**, 11, e0117603	3.7	13
47	Leveraging Clinical Data to Enhance Localization of Brain Atrophy. *Lecture Notes in Computer Science*, **2016**, 60-68	0.9	
46	A multiple hold-out framework for Sparse Partial Least Squares. *Journal of Neuroscience Methods*, **2016**, 271, 182-94	3	20
45	Sparse network-based models for patient classification using fMRI. *NeuroImage*, **2015**, 105, 493-506	7.9	111
44	Multivariate Effect Ranking via Adaptive Sparse PLS **2015**,		2
43	A Comparison of Strategies for Incorporating Nuisance Variables into Predictive Neuroimaging Models **2015**,		5
42	Predicting Numerical Processing in Naturalistic Settings from Controlled Experimental Conditions **2015**,		1
41	Correction to SCoRS—A Method Based on Stability for Feature Selection and Mapping in Neuroimaging[Jan 14 85-98]. *IEEE Transactions on Medical Imaging*, **2014**, 33, 794-794	11.7	2
40	SCoRS--A Method Based on Stability for Feature Selection and Mapping inNeuroimaging [corrected]. *IEEE Transactions on Medical Imaging*, **2014**, 33, 85-98	11.7	46
39	A novel approach to probabilistic biomarker-based classification using functional near-infrared spectroscopy. *Human Brain Mapping*, **2013**, 34, 1102-14	5.9	20
38	PRoNTo: pattern recognition for neuroimaging toolbox. *Neuroinformatics*, **2013**, 11, 319-37	3.2	268
37	Sparse Network-Based Models for Patient Classification Using fMRI **2013**,		2
36	Stability-Based Multivariate Mapping Using SCoRS **2013**,		2
35	What does brain response to neutral faces tell us about major depression? evidence from machine learning and fMRI. *PLoS ONE*, **2013**, 8, e60121	3.7	16

34	Automated, high accuracy classification of Parkinsonian disorders: a pattern recognition approach. *PLoS ONE*, **2013**, 8, e69237	3.7	34
33	Pattern recognition analyses of brain activation elicited by happy and neutral faces in unipolar and bipolar depression. *Bipolar Disorders*, **2012**, 14, 451-60	3.8	58
32	Structured Sparsity Models for Brain Decoding from fMRI Data **2012**,		30
31	Diagnostic neuroimaging across diseases. *NeuroImage*, **2012**, 61, 457-63	7.9	199
30	Pattern recognition and functional neuroimaging help to discriminate healthy adolescents at risk for mood disorders from low risk adolescents. *PLoS ONE*, **2012**, 7, e29482	3.7	54
29	Measuring abnormal brains: building normative rules in neuroimaging using one-class support vector machines. *Frontiers in Neuroscience*, **2012**, 6, 178	5.1	15
28	Individualized prediction of illness course at the first psychotic episode: a support vector machine MRI study. *Psychological Medicine*, **2012**, 42, 1037-47	6.9	100
27	A New Feature Selection Method Based on Stability Theory Exploring Parameters Space to Evaluate Classification Accuracy in Neuroimaging Data. *Lecture Notes in Computer Science*, **2012**, 51-59	0.9	2
26	Patient classification as an outlier detection problem: an application of the One-Class Support Vector Machine. *NeuroImage*, **2011**, 58, 793-804	7.9	88
25	Utilizing temporal information in fMRI decoding: classifier using kernel regression methods. *NeuroImage*, **2011**, 58, 560-71	7.9	22
24	Pattern classification of working memory networks reveals differential effects of methylphenidate, atomoxetine, and placebo in healthy volunteers. *Neuropsychopharmacology*, **2011**, 36, 1237-47	8.7	75
23	Integrating neurobiological markers of depression. *Archives of General Psychiatry*, **2011**, 68, 361-8		109
22	Describing the brain in autism in five dimensions--magnetic resonance imaging-assisted diagnosis of autism spectrum disorder using a multiparameter classification approach. *Journal of Neuroscience*, **2010**, 30, 10612-23	6.6	303
21	Investigating the predictive value of whole-brain structural MR scans in autism: a pattern classification approach. *NeuroImage*, **2010**, 49, 44-56	7.9	308
20	Quantitative prediction of subjective pain intensity from whole-brain fMRI data using Gaussian processes. *NeuroImage*, **2010**, 49, 2178-89	7.9	179
19	Automated detection of brain atrophy patterns based on MRI for the prediction of Alzheimer's disease. *NeuroImage*, **2010**, 50, 162-74	7.9	230
18	Quantifying the Information Content of Brain Voxels Using Target Information, Gaussian Processes and Recursive Feature Elimination **2010**,		2
17	Motor imagery of voluntary coughing: a functional MRI study using a support vector machine. *NeuroReport*, **2010**, 21, 980-4	1.7	1

16	Dynamic changes in the mental rotation network revealed by pattern recognition analysis of fMRI data. *Journal of Cognitive Neuroscience*, **2009**, 21, 890-904	3.1	24
15	An fMRI normative database for connectivity networks using one-class support vector machines. *Human Brain Mapping*, **2009**, 30, 1068-76	5.9	16
14	Correlation-based multivariate analysis of genetic influence on brain volume. *Neuroscience Letters*, **2009**, 450, 281-6	3.3	18
13	Evaluating SVM and MLDA in the extraction of discriminant regions for mental state prediction. *NeuroImage*, **2009**, 46, 105-14	7.9	39
12	Neural correlates of sad faces predict clinical remission to cognitive behavioural therapy in depression. *NeuroReport*, **2009**, 20, 637-41	1.7	108
11	Pattern classification of sad facial processing: toward the development of neurobiological markers in depression. *Biological Psychiatry*, **2008**, 63, 656-62	7.9	264
10	Bayesian decoding of brain images. *NeuroImage*, **2008**, 39, 181-205	7.9	155
9	Neuroanatomy of verbal working memory as a diagnostic biomarker for depression. *NeuroReport*, **2008**, 19, 1507-11	1.7	100
8	The impact of functional connectivity changes on support vector machines mapping of fMRI data. *Journal of Neuroscience Methods*, **2008**, 172, 94-104	3	9
7	Dynamic discrimination analysis: a spatial-temporal SVM. *NeuroImage*, **2007**, 36, 88-99	7.9	98
6	Unsupervised analysis of fMRI data using kernel canonical correlation. *NeuroImage*, **2007**, 37, 1250-9	7.9	78
5	Using Image Stimuli to Drive fMRI Analysis. *Lecture Notes in Computer Science*, **2007**, 477-486	0.9	
4	The impact of temporal compression and space selection on SVM analysis of single-subject and multi-subject fMRI data. *NeuroImage*, **2006**, 33, 1055-65	7.9	103
3	Classifying brain states and determining the discriminating activation patterns: Support Vector Machine on functional MRI data. *NeuroImage*, **2005**, 28, 980-95	7.9	536
2	Contributions of stimulus valence and arousal to visual activation during emotional perception. *NeuroImage*, **2003**, 20, 1955-63	7.9	91
1	The neural correlates of moral sensitivity: a functional magnetic resonance imaging investigation of basic and moral emotions. *Journal of Neuroscience*, **2002**, 22, 2730-6	6.6	534