Janaina Mourao-Miranda

List of Publications by Year
in descending order

72	6,214	147801 31	133252 59
papers	citations	h-index	g-index

79	79	79	7645
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Classifying brain states and determining the discriminating activation patterns: Support Vector Machine on functional MRI data. NeuroImage, 2005, 28, 980-995.	4.2	637
2	The Neural Correlates of Moral Sensitivity: A Functional Magnetic Resonance Imaging Investigation of Basic and Moral Emotions. Journal of Neuroscience, 2002, 22, 2730-2736.	3.6	622
3	Describing the Brain in Autism in Five Dimensionsâ€"Magnetic Resonance Imaging-Assisted Diagnosis of Autism Spectrum Disorder Using a Multiparameter Classification Approach. Journal of Neuroscience, 2010, 30, 10612-10623.	3.6	369
4	PRoNTo: Pattern Recognition for Neuroimaging Toolbox. Neuroinformatics, 2013, 11, 319-337.	2.8	367
5	Investigating the predictive value of whole-brain structural MR scans in autism: A pattern classification approach. NeuroImage, 2010, 49, 44-56.	4.2	361
6	Pattern Classification of Sad Facial Processing: Toward the Development of Neurobiological Markers in Depression. Biological Psychiatry, 2008, 63, 656-662.	1.3	298
7	Automated detection of brain atrophy patterns based on MRI for the prediction of Alzheimer's disease. NeuroImage, 2010, 50, 162-174.	4.2	287
8	Diagnostic neuroimaging across diseases. NeuroImage, 2012, 61, 457-463.	4.2	240
9	Quantitative prediction of subjective pain intensity from whole-brain fMRI data using Gaussian processes. NeuroImage, 2010, 49, 2178-2189.	4.2	218
10	Bayesian decoding of brain images. NeuroImage, 2008, 39, 181-205.	4.2	171
11	Finding the needle in a high-dimensional haystack: Canonical correlation analysis for neuroscientists. NeuroImage, 2020, 216, 116745.	4.2	163
12	Sparse network-based models for patient classification using fMRI. NeuroImage, 2015, 105, 493-506.	4.2	151
13	Integrating Neurobiological Markers of Depression. Archives of General Psychiatry, 2010, 68, 361.	12.3	130
14	Neural correlates of sad faces predict clinical remission to cognitive behavioural therapy in depression. NeuroReport, 2009, 20, 637-641.	1.2	129
15	The impact of temporal compression and space selection on SVM analysis of single-subject and multi-subject fMRI data. NeuroImage, 2006, 33, 1055-1065.	4.2	117
16	Individualized prediction of illness course at the first psychotic episode: a support vector machine MRI study. Psychological Medicine, 2012, 42, 1037-1047.	4.5	116
17	Patient classification as an outlier detection problem: An application of the One-Class Support Vector Machine. NeuroImage, 2011, 58, 793-804.	4.2	112
18	Neuroanatomy of verbal working memory as a diagnostic biomarker for depression. NeuroReport, 2008, 19, 1507-1511.	1.2	111

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19	Dynamic discrimination analysis: A spatialâ€“temporal SVM. NeuroImage, 2007, 36, 88-99.	4.2	110
20	Contributions of stimulus valence and arousal to visual activation during emotional perception. NeuroImage, 2003, 20, 1955-1963.	4.2	108
21	Making Individual Prognoses in Psychiatry Using Neuroimaging and Machine Learning. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2018, 3, 798-808.	1.5	105
22	Predictive modelling using neuroimaging data in the presence of confounds. NeuroImage, 2017, 150, 23-49.	4.2	99
23	Unsupervised analysis of fMRI data using kernel canonical correlation. NeuroImage, 2007, 37, 1250-1259.	4.2	94
24	Pattern Classification of Working Memory Networks Reveals Differential Effects of Methylphenidate, Atomoxetine, and Placebo in Healthy Volunteers. Neuropsychopharmacology, 2011, 36, 1237-1247.	5.4	81
25	Pattern recognition analyses of brain activation elicited by happy and neutral faces in unipolar and bipolar depression. Bipolar Disorders, 2012, 14, 451-460.	1.9	71
26	Pattern Recognition and Functional Neuroimaging Help to Discriminate Healthy Adolescents at Risk for Mood Disorders from Low Risk Adolescents. PLoS ONE, 2012, 7, e29482.	2.5	60
27	SCoRSâ€”A Method Based on Stability for Feature Selection and Mapping in Neuroimaging. IEEE Transactions on Medical Imaging, 2014, 33, 85-98.	8.9	57
28	Sparse Network-Based Models for Patient Classification Using fMRI. , 2013, , .		54
29	Evaluating SVM and MLDA in the extraction of discriminant regions for mental state prediction. NeuroImage, 2009, 46, 105-114.	4.2	45
30	Multi-center MRI prediction models: Predicting sex and illness course in first episode psychosis patients. NeuroImage, 2017, 145, 246-253.	4.2	43
31	A multiple hold-out framework for Sparse Partial Least Squares. Journal of Neuroscience Methods, 2016, 271, 182-194.	2.5	40
32	Automated, High Accuracy Classification of Parkinsonian Disorders: A Pattern Recognition Approach. PLoS ONE, 2013, 8, e69237.	2.5	39
33	Structured Sparsity Models for Brain Decoding from fMRI Data. , 2012, , .		37
34	Realizing the Clinical Potential of Computational Psychiatry: Report From the Banbury Center Meeting, February 2019. Biological Psychiatry, 2020, 88, e5-e10.	1.3	36
35	Decoding intracranial EEG data with multiple kernel learning method. Journal of Neuroscience Methods, 2016, 261, 19-28.	2.5	33
36	Multiple Holdouts With Stability: Improving the Generalizability of Machine Learning Analyses of Brainâ€“Behavior Relationships. Biological Psychiatry, 2020, 87, 368-376.	1.3	32

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37	Brain-behaviour modes of covariation in healthy and clinically depressed young people. Scientific Reports, 2019, 9, 11536.	3.3	31
38	A novel approach to probabilistic biomarkerâ€based classification using functional nearâ€infrared spectroscopy. Human Brain Mapping, 2013, 34, 1102-1114.	3.6	30
39	Decoding negative affect personality trait from patterns of brain activation to threat stimuli. NeuroImage, 2017, 145, 337-345.	4.2	30
40	Dynamic Changes in the Mental Rotation Network Revealed by Pattern Recognition Analysis of fMRI Data. Journal of Cognitive Neuroscience, 2009, 21, 890-904.	2.3	28
41	Sparsity Is Better with Stability: Combining Accuracy and Stability for Model Selection in Brain Decoding. Frontiers in Neuroscience, 2017, 11, 62.	2.8	28
42	Fast temporal dynamics and causal relevance of face processing in the human temporal cortex. Nature Communications, 2020, 11, 656.	12.8	28
43	Utilizing temporal information in fMRI decoding: Classifier using kernel regression methods. NeuroImage, 2011, 58, 560-571.	4.2	26
44	Predicting anxiety from wholebrain activity patterns to emotional faces in young adults: a machine learning approach. NeuroImage: Clinical, 2019, 23, 101813.	2.7	26
45	Correlation-based multivariate analysis of genetic influence on brain volume. Neuroscience Letters, 2009, 450, 281-286.	2.1	23
46	What Does Brain Response to Neutral Faces Tell Us about Major Depression? Evidence from Machine Learning and fMRI. PLoS ONE, 2013, 8, e60121.	2.5	23
47	Prediction of Individual Differences from Neuroimaging Data. NeuroImage, 2017, 145, 135-136.	4.2	23
48	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.	1.3	18
49	Can Emotional and Behavioral Dysregulation in Youth Be Decoded from Functional Neuroimaging?. PLoS ONE, 2016, 11, e0117603.	2.5	18
50	An fMRI normative database for connectivity networks using oneâ€class support vector machines. Human Brain Mapping, 2009, 30, 1068-1076.	3.6	17
51	Measuring Abnormal Brains: Building Normative Rules in Neuroimaging Using One-Class Support Vector Machines. Frontiers in Neuroscience, 2012, 6, 178.	2.8	17
52	Combining heterogeneous data sources for neuroimaging based diagnosis: re-weighting and selecting what is important. NeuroImage, 2019, 195, 215-231.	4.2	16
53	Will artificial intelligence eventually replace psychiatrists?. British Journal of Psychiatry, 2021, 218, 131-134.	2.8	15
54	A multimodal multiple kernel learning approach to Alzheimer's disease detection. , 2016, , .		10

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55	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.	1.5	10
56	The impact of functional connectivity changes on support vector machines mapping of fMRI data. Journal of Neuroscience Methods, 2008, 172, 94-104.	2.5	9
57	A Comparison of Strategies for Incorporating Nuisance Variables into Predictive Neuroimaging Models. , 2015, , .		8
58	ABCD Neurocognitive Prediction Challenge 2019: Predicting Individual Residual Fluid Intelligence Scores from Cortical Grey Matter Morphology. Lecture Notes in Computer Science, 2019, , 114-123.	1.3	6
59	How do you perceive threat? Itâ€™s all in your pattern of brain activity. Brain Imaging and Behavior, 2020, 14, 2251-2266.	2.1	5
60	Quantifying the Information Content of Brain Voxels Using Target Information, Gaussian Processes and Recursive Feature Elimination. , 2010, , .		4
61	Correction to â€œSCoRSâ€”A Method Based on Stability for Feature Selection and Mapping in Neuroimagingâ€•[Jan 14 85-98]. IEEE Transactions on Medical Imaging, 2014, 33, 794-794.	8.9	3
62	Motor imagery of voluntary coughing: a functional MRI study using a support vector machine. NeuroReport, 2010, 21, 980-984.	1.2	3
63	Stability-Based Multivariate Mapping Using SCoRS. , 2013, , .		2
64	Multivariate Effect Ranking via Adaptive Sparse PLS. , 2015, , .		2
65	Evidence For Bias Of Genetic Ancestry In Resting State Functional MRI. , 2019, , .		2
66	A New Feature Selection Method Based on Stability Theory â€“ Exploring Parameters Space to Evaluate Classification Accuracy in Neuroimaging Data. Lecture Notes in Computer Science, 2012, , 51-59.	1.3	2
67	Predicting Numerical Processing in Naturalistic Settings from Controlled Experimental Conditions. , 2015, , .		1
68	Prediction of clinical scores from neuroimaging data with censored likelihood gaussian processes. , 2016, , .		1
69	Using Image Stimuli to Drive fMRI Analysis. Lecture Notes in Computer Science, 2007, , 477-486.	1.3	1
70	A hierarchical Bayesian model to find brain-behaviour associations in incomplete data sets. NeuroImage, 2022, 249, 118854.	4.2	1
71	170. What Can Machine Learning and Neuroimaging Techniques Bring to Psychiatry?. Biological Psychiatry, 2019, 85, S70.	1.3	0
72	Leveraging Clinical Data to Enhance Localization of Brain Atrophy. Lecture Notes in Computer Science, 2016, , 60-68.	1.3	0