Javier Gonzalez-Castillo

List of Publications by Year
in descending order

48 papers	5,752 citations

279798

23 h-index	

243625

44 g-index

55 all docs	55 docs citations	55 times ranked	6797 citing authors

#	Article	IF	Citations
1	Dynamic functional connectivity: Promise, issues, and interpretations. NeuroImage, 2013, 80, 360-378.	4.2	2,358
2	Periodic changes in fMRI connectivity. NeuroImage, 2012, 63, 1712-1719.	4.2	350
3	Neuroanatomical distribution of five semantic components of verbs: Evidence from fMRI. Brain and Language, 2008, 107, 16-43.	1.6	338
4	Whole-brain, time-locked activation with simple tasks revealed using massive averaging and model-free analysis. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 5487-5492.	7.1	312
5	Tracking ongoing cognition in individuals using brief, whole-brain functional connectivity patterns. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 8762-8767.	7.1	312
6	High-Resolution CBV-fMRI Allows Mapping of Laminar Activity and Connectivity of Cortical Input and Output in Human M1. Neuron, 2017, 96, 1253-1263.e7.	8.1	255
7	Task-based dynamic functional connectivity: Recent findings and open questions. NeuroImage, 2018, 180, 526-533.	4.2	239
8	Towards a new approach to reveal dynamical organization of the brain using topological data analysis. Nature Communications, 2018, 9, 1399.	12.8	164
9	The continuing challenge of understanding and modeling hemodynamic variation in fMRI. NeuroImage, 2012, 62, 1017-1023.	4.2	159
10	The Two-Level Theory of verb meaning: An approach to integrating the semantics of action with the mirror neuron system. Brain and Language, 2010, 112, 54-76.	1.6	157
11	The spatial structure of resting state connectivity stability on the scale of minutes. Frontiers in Neuroscience, 2014, 8, 138.	2.8	104
12	Direct modulation of aberrant brain network connectivity through real-time NeuroFeedback. ELife, 2017, 6, .	6.0	97
13	Physiological noise effects on the flip angle selection in BOLD fMRI. NeuroImage, 2011, 54, 2764-2778.	4.2	92
14	2015 Brainhack Proceedings. GigaScience, 2016, 5, 1-26.	6.4	72
15	How to Interpret Resting-State fMRI: Ask Your Participants. Journal of Neuroscience, 2021, 41, 1130-1141.	3.6	69
16	A functional connectivity-based neuromarker of sustained attention generalizes to predict recall in a reading task. NeuroImage, 2018, 166, 99-109.	4.2	63
17	Whole-brain connectivity dynamics reflect both task-specific and individual-specific modulation: A multitask study. NeuroImage, 2018, 180, 495-504.	4.2	56
18	Evaluation of multi-echo ICA denoising for task based fMRI studies: Block designs, rapid event-related designs, and cardiac-gated fMRI. NeuroImage, 2016, 141, 452-468.	4.2	49

#	Article	IF	Citations
19	Imaging the spontaneous flow of thought: Distinct periods of cognition contribute to dynamic functional connectivity during rest. NeuroImage, 2019, 202, 116129.	4.2	47
20	Extended amygdala connectivity changes during sustained shock anticipation. Translational Psychiatry, 2018, 8, 33.	4.8	39
21	TE-dependent analysis of multi-echo fMRI with tedana. Journal of Open Source Software, 2021, 6, 3669.	4.6	39
22	Auditory neuroimaging with fMRI and PET. Hearing Research, 2014, 307, 4-15.	2.0	30
23	Task Dependence, Tissue Specificity, and Spatial Distribution of Widespread Activations in Large Single-Subject Functional MRI Datasets at 7T. Cerebral Cortex, 2015, 25, 4667-4677.	2.9	28
24	Efficacy of different dynamic functional connectivity methods to capture cognitively relevant information. NeuroImage, 2019, 188, 502-514.	4.2	27
25	Brainhack: Developing a culture of open, inclusive, community-driven neuroscience. Neuron, 2021, 109, 1769-1775.	8.1	27
26	Reproducibility of fMRI activations associated with auditory sentence comprehension. NeuroImage, 2011, 54, 2138-2155.	4.2	26
27	Effects of image contrast on functional MRI image registration. NeuroImage, 2013, 67, 163-174.	4.2	22
28	A deconvolution algorithm for multi-echo functional MRI: Multi-echo Sparse Paradigm Free Mapping. NeuroImage, 2019, 202, 116081.	4.2	21
29	Language lateralization from task‐based and resting state functional MRI in patients with epilepsy. Human Brain Mapping, 2020, 41, 3133-3146.	3.6	19
30	Modeling hemodynamic responses in auditory cortex at 1.5ÂT using variable duration imaging acoustic noise. NeuroImage, 2010, 49, 3027-3038.	4.2	18
31	Using fMRI to decode true thoughts independent of intention to conceal. NeuroImage, 2014, 99, 80-92.	4.2	18
32	Theta-burst TMS to the posterior superior temporal sulcus decreases resting-state fMRI connectivity across the face processing network. Network Neuroscience, 2020, 4, 746-760.	2.6	17
33	Time-varying whole-brain functional network connectivity coupled to task engagement. Network Neuroscience, 2019, 3, 49-66.	2.6	15
34	Assessment of temporal state-dependent interactions between auditory fMRI responses to desired and undesired acoustic sources. Hearing Research, 2011, 277, 67-77.	2.0	14
35	Neural correlates of adaptation in freely-moving normal hearing subjects under cochlear implant acoustic simulations. NeuroImage, 2013, 82, 500-509.	4.2	14
36	Variance decomposition for single-subject task-based fMRI activity estimates across many sessions. NeuroImage, 2017, 154, 206-218.	4.2	13

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37	A framework for offline evaluation and optimization of real-time algorithms for use in neurofeedback, demonstrated on an instantaneous proxy for correlations. NeuroImage, 2019, 188, 322-334.	4.2	13
38	Visual temporal frequency preference shows a distinct cortical architecture using fMRI. NeuroImage, 2019, 197, 13-23.	4.2	12
39	Head-repositioning does not reduce the reproducibility of fMRI activation in a block-design motor task. NeuroImage, 2011, 56, 1329-1337.	4.2	9
40	Ultra-slow fMRI fluctuations in the fourth ventricle as a marker of drowsiness. NeuroImage, 2022, 259, 119424.	4.2	9
41	What Cascade Spreading Models Can Teach Us about the Brain. Neuron, 2015, 86, 1327-1329.	8.1	6
42	Introducing Alternative-Based Thresholding for Defining Functional Regions of Interest in fMRI. Frontiers in Neuroscience, 2017, 11, 222.	2.8	3
43	Quantitative Deconvolution of fMRI Data with Multi-echo Sparse Paradigm Free Mapping. Lecture Notes in Computer Science, 2018, , 311-319.	1.3	3
44	Using functional MRI to study auditory comprehension. Imaging in Medicine, 2012, 4, 137-143.	0.0	1
45	A temporal deconvolution algorithm for multiecho functional MRI. , 2018, , .		1
46	Characterizing and utilizing fMRI fluctuations, patterns, and dynamics. , 2013, , .		0
47	Editorial: Towards Expanded Utility of Real Time fMRI Neurofeedback in Clinical Applications. Frontiers in Human Neuroscience, 2020, 14, 606868.	2.0	0
48	Hemodynamic Imaging: Functional Magnetic Resonance Imaging. Springer Handbook of Auditory Research, 2012, , 129-162.	0.7	0