

# Javier Gonzalez-Castillo

## List of Publications by Year in descending order

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Version: 2024-02-01

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	Ultra-slow fMRI fluctuations in the fourth ventricle as a marker of drowsiness. <i>NeuroImage</i> , 2022, 259, 119424.	4.2	9
2	How to Interpret Resting-State fMRI: Ask Your Participants. <i>Journal of Neuroscience</i> , 2021, 41, 1130-1141.	3.6	69
3	Brainhack: Developing a culture of open, inclusive, community-driven neuroscience. <i>Neuron</i> , 2021, 109, 1769-1775.	8.1	27
4	TE-dependent analysis of multi-echo fMRI with tedana. <i>Journal of Open Source Software</i> , 2021, 6, 3669.	4.6	39
5	Theta-burst TMS to the posterior superior temporal sulcus decreases resting-state fMRI connectivity across the face processing network. <i>Network Neuroscience</i> , 2020, 4, 746-760.	2.6	17
6	Editorial: Towards Expanded Utility of Real Time fMRI Neurofeedback in Clinical Applications. <i>Frontiers in Human Neuroscience</i> , 2020, 14, 606868.	2.0	0
7	Language lateralization from task-based and resting state functional MRI in patients with epilepsy. <i>Human Brain Mapping</i> , 2020, 41, 3133-3146.	3.6	19
8	A deconvolution algorithm for multi-echo functional MRI: Multi-echo Sparse Paradigm Free Mapping. <i>NeuroImage</i> , 2019, 202, 116081.	4.2	21
9	Imaging the spontaneous flow of thought: Distinct periods of cognition contribute to dynamic functional connectivity during rest. <i>NeuroImage</i> , 2019, 202, 116129.	4.2	47
10	Visual temporal frequency preference shows a distinct cortical architecture using fMRI. <i>NeuroImage</i> , 2019, 197, 13-23.	4.2	12
11	Efficacy of different dynamic functional connectivity methods to capture cognitively relevant information. <i>NeuroImage</i> , 2019, 188, 502-514.	4.2	27
12	A framework for offline evaluation and optimization of real-time algorithms for use in neurofeedback, demonstrated on an instantaneous proxy for correlations. <i>NeuroImage</i> , 2019, 188, 322-334.	4.2	13
13	Time-varying whole-brain functional network connectivity coupled to task engagement. <i>Network Neuroscience</i> , 2019, 3, 49-66.	2.6	15
14	Towards a new approach to reveal dynamical organization of the brain using topological data analysis. <i>Nature Communications</i> , 2018, 9, 1399.	12.8	164
15	Extended amygdala connectivity changes during sustained shock anticipation. <i>Translational Psychiatry</i> , 2018, 8, 33.	4.8	39
16	Whole-brain connectivity dynamics reflect both task-specific and individual-specific modulation: A multitask study. <i>NeuroImage</i> , 2018, 180, 495-504.	4.2	56
17	A functional connectivity-based neuromarker of sustained attention generalizes to predict recall in a reading task. <i>NeuroImage</i> , 2018, 166, 99-109.	4.2	63
18	Task-based dynamic functional connectivity: Recent findings and open questions. <i>NeuroImage</i> , 2018, 180, 526-533.	4.2	239

#	ARTICLE	IF	CITATIONS
19	Quantitative Deconvolution of fMRI Data with Multi-echo Sparse Paradigm Free Mapping. Lecture Notes in Computer Science, 2018, , 311-319.	1.3	3
20	A temporal deconvolution algorithm for multiecho functional MRI. , 2018, , .		1
21	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
22	Variance decomposition for single-subject task-based fMRI activity estimates across many sessions. NeuroImage, 2017, 154, 206-218.	4.2	13
23	Direct modulation of aberrant brain network connectivity through real-time NeuroFeedback. ELife, 2017, 6, .	6.0	97
24	Introducing Alternative-Based Thresholding for Defining Functional Regions of Interest in fMRI. Frontiers in Neuroscience, 2017, 11, 222.	2.8	3
25	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
26	2015 Brainhack Proceedings. GigaScience, 2016, 5, 1-26.	6.4	72
27	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
28	What Cascade Spreading Models Can Teach Us about the Brain. Neuron, 2015, 86, 1327-1329.	8.1	6
29	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
30	The spatial structure of resting state connectivity stability on the scale of minutes. Frontiers in Neuroscience, 2014, 8, 138.	2.8	104
31	Auditory neuroimaging with fMRI and PET. Hearing Research, 2014, 307, 4-15.	2.0	30
32	Using fMRI to decode true thoughts independent of intention to conceal. NeuroImage, 2014, 99, 80-92.	4.2	18
33	Effects of image contrast on functional MRI image registration. NeuroImage, 2013, 67, 163-174.	4.2	22
34	Dynamic functional connectivity: Promise, issues, and interpretations. NeuroImage, 2013, 80, 360-378.	4.2	2,358
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	Characterizing and utilizing fMRI fluctuations, patterns, and dynamics. , 2013, , .		0

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37	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
38	Using functional MRI to study auditory comprehension. Imaging in Medicine, 2012, 4, 137-143.	0.0	1
39	The continuing challenge of understanding and modeling hemodynamic variation in fMRI. NeuroImage, 2012, 62, 1017-1023.	4.2	159
40	Periodic changes in fMRI connectivity. NeuroImage, 2012, 63, 1712-1719.	4.2	350
41	Hemodynamic Imaging: Functional Magnetic Resonance Imaging. Springer Handbook of Auditory Research, 2012, , 129-162.	0.7	0
42	Physiological noise effects on the flip angle selection in BOLD fMRI. NeuroImage, 2011, 54, 2764-2778.	4.2	92
43	Head-repositioning does not reduce the reproducibility of fMRI activation in a block-design motor task. NeuroImage, 2011, 56, 1329-1337.	4.2	9
44	Reproducibility of fMRI activations associated with auditory sentence comprehension. NeuroImage, 2011, 54, 2138-2155.	4.2	26
45	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
46	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
47	Modeling hemodynamic responses in auditory cortex at 1.5T using variable duration imaging acoustic noise. NeuroImage, 2010, 49, 3027-3038.	4.2	18
48	Neuroanatomical distribution of five semantic components of verbs: Evidence from fMRI. Brain and Language, 2008, 107, 16-43.	1.6	338